PROJECT 10073 RECORD CARD

1. DATE 26 June 1963	Texarkana, Texas		12. CONCLUSIONS Mas Balloon Probably Balloon
3. DATE-TIME GROUP Local	4. TYPE OF OBSERVATIO Ground-Visual Air Visual 6. SOURCE Civilian	N Ground-Radar Air-Intercept Radar	Possibly Balloon Was Aircraft Probably Aircraft Possibly Aircraft Was Astronomical Probably Astronomical Possibly Astronomical Possibly Astronomical
7. LENGTH OF OBSERVATION 30 minutes	8. NUMBER OF OBJECTS	9. COURSE Variable	Other Insufficient Data for Evaluation Unknown
Two objects in trail, rou of white to orange observation due North. Objects and faded in the North af observation. Observation	red very high in tion at 45 deg ects changed course ter a half hour	Balloon observa sighting consis Balloon. Wind winds at upper of flight varie	objects conform with tions. Duration of tant with analysis as data indicates variable altitudes. Direction d. Nothing presented this was not a balloon

ATIC FORM 329 (REV 26 SEP 52)

351	0 1	1 - 2000	110 51		San Pictors and San or			
540	5 17	1	63.)	2900		19	12	416
369 575	2 20	6200	63.5	7100		20	3	416
387 602		6500	63.3	2700	43.3	21	3	4.4
405 629	0 22	6810	67.0	3500	A CONTRACTOR OF THE PROPERTY O	22	357	4.5
423 656	0 23	7110	62.5	370		23		. 329
691	0 24		61.3		34.7	24	359	7.0
459 710	0 25	7750	60,2	4400	2 70.4	25		
737			58.9		25.0	26	346	11,6
495 764	0 27	8410	56.6	5500	2010	27		
513 791			54.8		15:7	28	341	13.0
531 818		9080	53.2	6800	111.9	29		1110
549	0 30		51.7	0000	9,2	30	345	10.0
845 567	0 21	ania	50.7	7900	71		797	1010
585	V	Contract to the second	50.1	/100	116	31	325	10.5
900	5_		193	gard.	5.4	33	IF	10.5
928 621	5	10470	190	8900	100	34	212	11 0
956	5		4114	don	359.3	34	114	1110
985	0 33	11.0	40.6	9800	356.4		010	10.
1013		11 - 14	19111		351.7	36	.318	12.0
675 1042		11810	47.2	11000	351.5	37	11	
693 1071	0 1 30		16.7		349.3	38	.313	12.0
1100		12580	45,7	12200	347.2	39		
1130	0 40		45.2		3461	40	376	11.0
747 1159	0 41	13300	44.5	13500	346.0	41		
765 1189	0 42	12780	43.5	14500	307.0	42	8	15,0
783	0 1	14180	42.7	15300	348.6	43		1
. 801 1248	0 14	14600		16000		44	.13	13.2
819	0 45		41.7		350.5	45	-12	1117
837	0 4	1.07 00	11.3	1740		46	31	13/
1307	0 47	110	1412	1140	3547	47	71.	1110
1337	0 40	16280	11 2	18500	1 35/ 0	40	1-7	14. 5
1367	0 40	10700	41.3	10700	25/2	10	40	10.7
1397	5 47	171114	411	1000	0 357.8	49	3.1	70
1427	5 50	11160	116	1 1970	0 357.8	50	24	1,0
12.0	all :		Coded Dat	a for Transmission	0 1.0		1/201	
5 ra 3 0697	0 1	10 211	11 110	1 1002 010	7 67404		603	0107
01.11 102/11	1 101	1111	AL LACA	I LAALA LAAL	19 123611	16	3/15	A3171

EME	06970	1110	2 11 11	1107	1003	0102	63404	3605	0107
0209	07609	20106	41006	60606	80410	00109	137610	57615	03422
53221	03123	53628	06275	60414	00515	00921	00823	30825	
					60	1.			

90	104	11110	1211
95	179	13010	40.7.
100	155	13920	42.5
105	134	14.500	44.4
110	114	15780	46.7.
115	96	16840	49.1:
120	81	17940	51.8
125	64	19370	54.9
130	50	20890	58.7
135	37	22800	62:7
140	24	25690	
159A	25	25360	68.0

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Cord	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No.	. 1	15		Cord No	
•qu	pe of ipment	8	16	T	ype of	8
sfc.	130	2	17-	7	357	5
150 m.	120	4	22-	8	350	10
300 m.	110	5	27- 31	9	341	12
0.5	111	5	32- 36	10	331	10
1.0	115	3	37- 41	11	313	11
1.5	35	1	42- 46	12	915	12
2.0	348	2	47-	13	336	11
2.5	10	4	52- 56	14	10	15
3	10	5	57- 61	15	20	13
4	85	1	62- 66	16	39	11
5	57	3	67- 71	17	36	.8
6	15	5	72-	18	4-5	7

Maximum Wind Speed Data

MUXIMOM WIN	a speed bard
Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Max. wind speed (m.p.s	1.)
(m.p.s.) of Max. wind	•0
Enter check if addition	al levels .

Enter check if additional levels

Greater Shroveport Municipal Airport
Lat. 32°28'll Long. 93°49'W
Local Standard Time, 90th Meridian

21 of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM) WBAN-20

Year Month Day Time

Actual 41 mer. 1963 JUN 25 2776

Scheduled 1963 JUN 26 0530

Ascension No. 707

Page

2

	Pibal		Rowin	Elevatio	n angle ⁰	Distance from			Win	d
range (m.) (yds.)	ht. above sfc. (m.)	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51		41,9			358.6	51		
	14860	52	17960	41,9		19900	359,3	52	46	7.7
	15145	53		42.3			0.1	53		
	15425	54	18880	42.7		20460	1,0	54	67	9,2
	15705	55		43.1			3,2	55		
	15985	56	19750	43.3		20800	5,0	56	77	12,5
	16265	57		43.6			714	57		
	16545	58	20550	43,8		21700	9.3	58	85	13,0
	16825	59		44.0			1115	59		;
	17105	60	21340	44,4	1	21600	13.3	60	87	10.7
	17385	61		44.9			14.9	61	•	
	17670	62	22400	45.3		72100	16.5	62	. 83	11.0
	17950	63		45.7			18.2	63		
1	18235	64	23400	45.9		27600	19.5	64	84	10-8
	18515	65		25.9			2111	65	CONTRACTOR OF THE STATE	
	18795	66	0	46,1		27200	22.6	66	82	12.0
	19080	67		46.3	1 .		2415	67		
	19360	68	25280	46.2		24100	29.7	68	~^	130
	19645	69			1			69		
	19925	70			200			70		
	20210	71						71		
	20490	72						72		
ABOUT TO	20775	73						73		
	21055	74			19-1			74		
	21340	75			Y E			75		
	21620	76						76		
	21905	77						77		
	22185	73						78		
	22470	79						79		
	22750	80						80		
	23040	81						81		
	23320	82				St.		82		
-	23600	83						83		
	23880	84						84		

Direction Speed 360°= N (m.p.s.)										
Direc 360									7	
etuniM	106	107	108	109	110	11	112	113	114	115
Azimuth										
Distance from observation point (m.)			21 4-7 5 1-4							
Smoothed	7									
Observed Smoothed										
Rawin ht. above surface (m.)										
etuniM	305	107	108	109	110	=	112	113	114	115
Slant range (m.) (yds.)			\$1.10 m			Q				

1		
1	*5	tamp i
1		Name
1	2.	Lat.
	3.	
1	4.	El. o
1	5.	Meth
		rawin
1	6.	Type
1	×.	WBR
1		GMD

Altitude

+itudes	egrees)	Speed n.p.s.)	Card	titudes	irection legrees)	Speed n.p.s.)
---------	---------	------------------	------	---------	----------------------	------------------

21048	-	THE RESIDENCE OF THE PARTY OF T	THE PROPERTY OF	STONE SHOOTS IN	MORE PROPERTY WITHOUT		74		-
21340	75						75		
21620	76						76		
21905	77						77		
22185	78			1			78		
22470	79						79		
22750	80						80		1
23040	81						81		7
23320	82				9.0		82		
23600	83	+					83		7
23880	84						84		1
24160	85						85	4.5	7
24440	86		100				86		7
24730	87						87		
25010	88		-			7-7-1	88	1	7
25300	89						89		1
25580	90						90		7
25860	91						91		7
26140	92		• 1	41			92		1
26420	93						93	1.1	7
26700	94						94		7
26980	95						95		1
27260	96						96		7
27540	97						97		1
27820	98						98		7
28100	99						99		7
28380	100			e 1 and			100		1
28660	101						101		7
28940	102			7			102		1
29220	103			- 1			103	 1	1
29500	+						104		1
29780							105	 1	1

E.	MANAGER	1000	1000	-	-	-	-	-	-	-
	Slant range (m.) (yds.)					•				
			L			_		L		

Altitude

Punched Cord Data

-	Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
I		Cord No	. 3	15		Card No	o.: 4
	Ty	pe of ipment	8	16		pe of	8
	19	67	9	17-	31		
	20	18	13	22- 26	32	177	
	21	81	12	27- 31	33		
	22	85	11	32- 36	34		
	23	83	11	37- 41	35		
I	24	83	11	42- 46	36		
I	25	81	13	47- 51	37		
	26			52- 56	38		
1	27			57- 61	39		
	28				40		
	29			62- 66 67- 71 72- 76	41		
	30			72- 76	42		

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

*Identification U.S. DEPARTMENT OF COMMERCE Month Day Year SHREVEPORT, LOUISIANA WEATHER BUREAU Actual Greater Shreveport Municipal Airport 1963 JUN 2 E 0530 -__ th mer. WINDS-ALOFT COMPUTATION SHEET lat. 38-38'N Long. 95°49'W Scheduled (G.M.T.) (LAND STATION FORM) Local Standard Time, 90th Meridian WBAN-20 El of Station, 79M, RAWIN, GMD-1A Ascension No. 1200 GRAM Type of balloon 360° = South Orientation, Pibal Elevation angle⁰ Rawinsonde Time-Altitude Data Wind Rawin Distance from Azimuth Slant ht. above observation Direction Speed angle Con- Pressure Altitude surface 360°= N. point (m.) (m.p.s.) Observed | Smoothed (m.) (yds.) (mb.) (m.) tact (m, m.s.l.) stc. 360 49 1010 250 81.6 345. 0.0 670 344.4 0.0 612 980 315.9 720 1330 00 20-0 1960 74.1 2640 450 1880 3300 150 2170 1530 2455 63.2 3990 00 300 4660 1890 10 5340 500 1700 6040 2250 3580 900 2430 3855 13 2200 2610 2300 4230 2970 4675 3150 4345 3330 5215 000 5730 360 5200 120 4/70 125 342 27 21670 130 6000 5130 7915 329 5310 8185 140 17.0 342 Punched Cord Data Card 331

Time

Elopsed

(min.)

0.0

0.2

2.8

380-0 110.1 6.7 7105 4770 7375 7.3 6.5 7645 756051.5 3.6 7915 10.8 8185 7100 357.9 8455 8.6 8730 47.0 355.6 9005 46.4 9285 45.5 9565 6390 9850 10135 42.7 12.0 10420 47.2 10710 41.4 11905 13000 346,2 10.3 39.4 345.5 11595 48.6 12185 37.4 344.6 43 12200 12460 345,1 4 360 37. 2 15 12 850 36.7 13375 13675 16.1 13975 14275 Coded Data for Transmission

SHV	12980	0000	20000	0000	40204	0208	60210	0109	0106
0106	03607	20206	10305	60106	*3507	03612	0335/3	53318	03417
53325	03522	50131	03623	00524	99997	01019	00925	50931	00925
								, ,	Vers
				i i	r (51)				

100	149	141401	49.1
105	127	15100	52.1
110	108	16090	55,3
115	90	17200	58.9
120	73	18480	62.6
125	58	19930	66.9
130	44	21670	71.9
135	30	24130	78.4
140			•
41.8	17.0	27933	86.8

Punched Card Data

Altisudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 1	15		Card No	. 2
equ	ype of	8	16	T equ	ype of	8
efc.	360	2	17-	7	356	7
150 m.	000	00	22- 26	8	328	11
300 m.	000	00	27- 31	9	341	9
0.5	000	00	32- 36	10	328	11
1.0	000	00	37- 41	11	332	13
1.5	25	4	42- 46	12	339	11
2.0	13	5	47-	13	340	17
2.5	11	3	52- 56	14	330	25
3	3	3	57 - 61	15	4	13
4	35	2	62- 66	16	11	10
5	352	3	67- 71	17	24	//
6	2	7	72- 76	18	47	11

Maximum Wind Speed Date

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Max. wind speed (m.p.s.) and dir. (degrees)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Enter check If additional	levels

Identification VEPORT, LOUISIANA

Greater Shreveport Municipal Airport Lat. 32°28'N Long. 93°49'W Local Standard Time, 90th Meridian

El. of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET

WBAN-20

	Year	Month	Day	Time
Actual time th mer.	1963	JUN	26	0530
Scheduled (G.M.T.)	1963	אטע	26	1/30

Ascension No. 208

Page

Stamp the

1. Name of Station

2. Lot. an

3. Local

4. El. of St

	Pibal		Rawin	Elevation	on angle ^o	Distance from			Win	d
rongo (m.) (yds.)	ht. above sic. (in.)	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth angle o	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51	1.4	33.4			350.6	51		
	14860	52	14990	32.9		23000		52	3	12.6
	15145	53		32.8			351.6	53		
	15425	54	15630	32.7	1 = 1	24200	351.8	54	.5	9.2
	15705	55		32.7			352.0	55		
	15985	56	16210	32.5		25200	352.6	56	15	10.4
	16265	57		37.3			353.5	57		1
	16545	58	16830	32.2		26500	353.9	58	21	11.0
	16825	59		32.4			354.3	59		
	17105	60	17550	32.4		27500	355.1	60	38	9.7
	17365	61		32.5			3561	61		
	17670	62	18210	32,7		28200		62	53	12.4
	17950	63		32.7			358.4	63		
1	18235	64	18880	32.8	12	29200	0.1	64	74	12.8
	18515	65		33.2	1.47.02	The Market of	1.8	65		
	18795	66	19570	33.7		29200	2.9	66	93	11.7
	19080	67		34.5			4.3	67		
	19360	68	20220			29100	5.5	68	-	11.4
	19645	69	Service and the service and th	35.1			6.9	69	The same of the	
	19925	70	20900	35.4		29200	8.3	70	97	11.0
	20210	71		35.9			9.4	71		
	20490	72	21620	36.4		29200	10.6	72	87	9.0
THE WALL	20775	73		36.4	7		11.6	73		
	21055	74	22350		C. C. HOD.	29700	12.3	74	80	10.0
	21340	75		37.1			13.5	75		
	21620	76	23100			30200	14.8	76	84	10.0
	21905	77		37.5			15.8	77		
	22185	78	23900	37.8		30600		78	90	10.2
	22470	79		38.1			17.8	79		
	22750	80	24740	38.4		31000	19.1	80	84	14.9
	23040	81		38.3			20.2	81		
	23320	82	25620	38,4		32100		82	88	16,5
	23500	83		38.7			23.9	83		
	23880	84	26500	_		32600		84	93	13.8

Slant range (m.) (yds.)	etuniM	Rawin ht. above surface (m.)	Observed	Elevation ongle	Distance from observation (m.)	Azimuth	atuniM	Direction S 360°= N (m	Speed (m.p.s.)
The state of	20	7 7				1 2	106	100	
*	107						107		
	108				The Carlo state of the Carlo	1/4 / 1/	108		174.0
	109						109		
	110						011		
	11.						=		
	112						112		
	113						113		
	114						114		
	115						115		

• Aletenda

		runch	oa Car	a va	i d	
ititudes	irection degrees)	Speed m.p.s.)	Columns	Ititudes	degrees)	Speed (m.p.s.)

to Red Stevenson Stevenson					A STATE OF THE PARTY OF	9-49	de the second	- The second
21340	73	37 1	Sur-diskand	to environmental constraints to	13.5	75		
21620	10 2310	0 37.3		30200	14.8	76	84_	10.6
21903	77	37.5			15.8	77		
22105	18 2390			30600	16.8	78	90	10.2
22470	79	38.1			17.8	79		
22750	80,2474	0 38.4		131000	19.1	80	84	14.8
23040	81	38.3			20.2	81		
23320	82 2562	0 38.4		132100	22.6	82	88	16,5
23600	83	38.7			23.9	83		
23880	84 2650	0 39.0		32600	25.5	84	93	13.8
24160	85	39.1			26,9	85		1
24440	86 2742	0 39.3		33300	27.9	86	89	13.0
24730	87					87		
25010	88					88		
25300	89					89		
25580	90			16 - 17 .		90		14.
25860	91					91		
26140	92					92		100
26420	93					93	*	1.7
26700	94				•	94		
26980	95		1 2			95		
27260	96		100			96		
27540	97					97		1.
27820	98					98	2.74	
28100	99 .				211	99		
28380	100					100		
28660	101					101		
28940	102		7			102		
29220	103					103		
29500	104					104		
29780	105					105		7

y de.					
Sig ()					

'in km.,

Punched Card Data

Airitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 3	15		Card No	. 4
•qu	pe of ipment	8	16	Ty	pe of pment	8
19	77	13	17-	31		
20	94	12	22-	32		
21	97	11	27-	33		
22	92	9	32- 36	34		
23	83	10	37-	35		
24	88	10	42-	36		
25	87	15	47- 51	37	1	
26	91	16	52- 56	38	7	
27	93	14	57- 61	39		
28			62-	40		
29			67- 71 72- 76	41		
30			72- 76	42		

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and spead (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

SHREVEPORT, LOUISIANA Creater shows opert Municipal Airport

Lat. 32°26'N Long. 93°49'W Local Standard Time, 90th Meridian 21 of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

		Year	Month	Day'	Time
•	Actual time	196	3 JUI	! 28	1130
	Scheduled (G.M.T.)	1960	JUN	26	1780
	Ascension	No. 70	9		

0 =	South
Ì	10 =

	Pibel		Dt	Elevati	on angle	Di			Win	d
Slant range (m.) (yds.)	sic. (m.)	Minute	Rawin ht. above surface (m.)	Observed	Smoothed	Distance from observation point (m.)	Azimuth angle	Minute	Direction ^o 360°= N. sfc. 320	Speed (m.p.s.)
	216 350	1	300	81.3		0	275.2	. 1	,	0.0
	414 670	2	590	88.1		0	289.7	2		0.0
	612 980	3	850	84.7		100	57.3	3	92	1.8
	801 1285	4	1130	77.1		250	94.1	4	101	2.5
	990 1585	5	1400	73.5		400	90.3	5	86	3.2
	1170 1880	6	1660	68.1		650	87.7	6	83	3.5
	1350 2170	7	1930	69.6		700	85.6	7	56	2.2
	1530 2455	8	2220	68.4		900	77.7	8	47	2.9
	1710 2740	9	2460	68.3		1000	72.8	9	56	1.7
	1890 3020	10	2720	68.6		1100	73.6	10	15	1.4
	2070 3300	11	30.00	70.4		1100	64.5	11	338	2.3
	2250 3580	12	3300	70.8		1100	58.6	12	348	2.4
	2430 3855	13	3600	71.6		1200	50.6	13	353	3,0
	2610 4130	14	3870	71.3		1300	44.2	14	16	2,0
,	2790 4405	15	4130	70.5		1400	44.6	15	41	3,2
	2970 4675	16	4430	68.4		1700	44.8	16	43	4.9
	3150 4945	17	4720	66.4		2000	44.2	17	38	5.8
	3330 5215	18	5000	64.7	*	2400	42.8	18	27	5.9
	3510 5485	19	5330	62.7	-,	2700	39.6	19	18	6.2
	3690 5755	20	5700	61.6		3100	36.8	20	6	5.9
	3870 6025	21	6030	60.9		3300	37.3	21	357	7.1
	4050 6295	22	6360	59.1		3800	74.6	22	2	8.4
100	4230 6565	23	,			4200		23		
	4410 6335	24		56.8			22.6	24	348	7.2
	4590 7105	25	7350	55.9		4900	19.5	25		
	4770 7375	26		54.7			15.8	26	353	7.3
	4950 7645	27	7970	54.5		5700	15.4	27		
	5130 7915	28		53.7			11.9	28	332	10.1
	5310 8185	29	8600	52.6		6600	8,2	29		
	5490	30		51.8			3.9	30		10.4
	5670 9720	31	9220	51.0		7500	1,2	31	0.00	
	5850 5850	32		50.0		1200	35 8.3	32	322	12.6
	900S 6030	33	9900	48.6		870-0	355,0	33	520	1616
	9285	34		41.0		6700	355,0		527	149
THE RESERVE THE PARTY OF	6338	75	10 -1	115 1		10210	550	125	33/	120

	Rowinse	onde Time-Altitu	de Data
Con-	Pressure (mb.)	Altitude (m., m. s. l.)	Elapsed time (min.)
5.0	1010	79	0.0
5	1010	X	><
10	945	660	2.1
15	882	1260	4.2
20	822	1860	6.0
25	764	2470	8.7
30	709	3080	11.1
35	656	3730	13.1
40	605	4370	15.3
45	556	5040	18.1
50	510	5740	20.2
55	466	6430	22.2
60	424	7160	24.4
65	385	7860	26.9
70	348	8600	29.1
75	313	9360	31.3
80	280	10130	34.2
85	249	10930	36.0
90	220	11730	38.2
95	194	12560	40.4
100	169	13430	42.6
105	146	14290	44.7
110	124	15300	47.2
115	105	16320	49.5
120	88	17420	52.0
125	71	18730	55.1
130	56	30230	58,9
135			
140		•	
1340	50	20910	61.0
	1,000	unched Card Dat	a

Punched	Card	Date
	A STATE OF THE STA	

itudes	ection grees)	.e.d.	lomns	itude#	ection grees)	peed .p.s.)
₹!	20	NE	100	4	ž ä	N.E

STATE OF THE PARTY.	THE RESERVE THE PARTY OF THE PA	4000	MANUFACTURES	tehanies !	LANK SAME	TOTAL STREET	21114					THE WAY	100	
	7195	75	735	0	55.		-	A RODALING CONTRACTOR	700	- popular	1	parament.	-	1000
	7375	26			54.1					15.8	26	353	7.3	3
	4950 7645	27	797	0	54.5			5	700	15.4	27			
	5130 7915	28			53.7					11.9	28	332	10.	/
	5310 8185	29	860	00	52.6	2		6	600	8,2	29			
	5490 8455	30			51.8					3.9	30	320	10.	4
	5670 6730	31	922	0	51.0			7.	500	1,2	31			
	5850 9005	32			50.	0				35 8.3	32	322	12.0	
	6030 9285	33	990	10	48.	, ,		8	700	355,0	33		1	
		34			46.				10	353.9	34	337	13.5	2
10.00	6210 9565 6390 9850	35	1055	50	45.	-		10	300	352, 2	35	7.5	1	
	6570 10135	36			43,	9			300	350.5	36	227	the state of the s	5
	6750 10420				42.			15	200		37	221	10.0	4
	6930	38	1/25	0	Silvery restablished	COLUMN TO A STATE OF	-	10	300	348.2	38		111	5
	7110		15.		41,			110	-		-	325	17.	4
	7290	39	1200	00	40.	6	-	13	800	346.5	39	2//2	110	_
	7290 11300 7470	40			-1.	-	-	1.5	/	345.8	40	343	15.	4
	7470 11595 7650	41	1277	0	39.			115	600	346.2	41	501	10	_
	11890	42	1313	0	38.	2		16	700	346.8	42	356	118.	9
	7630 12185	43	135	70	37.	3 -		117	700	347.7	43	-	-	
	12480	44	139	90	36.	2		19	600	348.0	44	359	20.	1
	8190 12775	45			35	1				348.6	45			
	8370 13075	46	1482	0	34.	5		21	400	349.6	46	1	118.	2
	1337	47			33.	8				350.2	47			
	13675	48	156	30	33.	7		23	300	3503	48	10	14.3	~(
	8910 13975	49	,		33.	5				351.4	49			
		50	1657	0				24	70-0		50	35	1117	,
	.,,,,,						a for	Transmissio			-			
SHV	18971	1	0000	200		090	4	1005	0907	6070	6	0506	8050	4
203	03405	2 7	3606	404	107	6031	1	1212	0.36/4	13514	15	7514	0322	
7431	121129	6	620	12/	22	CAUS	, ,	01017	2191	2	-	2717	222	
2730	00921	123	0000	0 30	20	3074	-11	VIVII	100716	-	+			-

125	71	1787301	50.
130	56	20230	58.9
135			
140			
1340	50	20910	61.0

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Cord No.	. 1	15		Card No	. 2
115205455	pe of	8	16		ype of	8
sfc.	320	3	17-	7	351	7
150 m,	000	00	22- 26	8	3114	9
300 m.	000	00	27- 31	9	320	10
0.5	000	00	32- 36	10	341	13
1.0	94	2	37- 41	11	336	16
1.5	86	3	42- 46	12	332	15
2.0	55	2	47- 51	13	355	17
2.5	53	2	52- 56	14	2	20
3	350	2	57- 61	15	3	18
4	22	2	62- 66	16	17	14
5	30	6	67- 71	17	51	11
6	358	7	72-	18	89	9

Maximum Wind Speed Data

Maximum wind Speed	Data
Min. als. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Max. wind speed (m.p.s.)	
(m.p.s.) of Max. wind	
Enter check if additional levels	

Greater Shreveport Municipal Airport
Lat. 32°28'N Long. 93°49'W
Local Standard Time, 90th Meridian
El of Station, 79M, RAWIN, GMD-la

U.S. DEPARTMENT OF COMMERCE

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM) WBAN-20

	Year	Month	Day	Time
Actual - time th mer.	1963	JUN	26	1130
Scheduled (G.M.T.)	1963	JUN	26	1730
		2		

Ascension No. 709

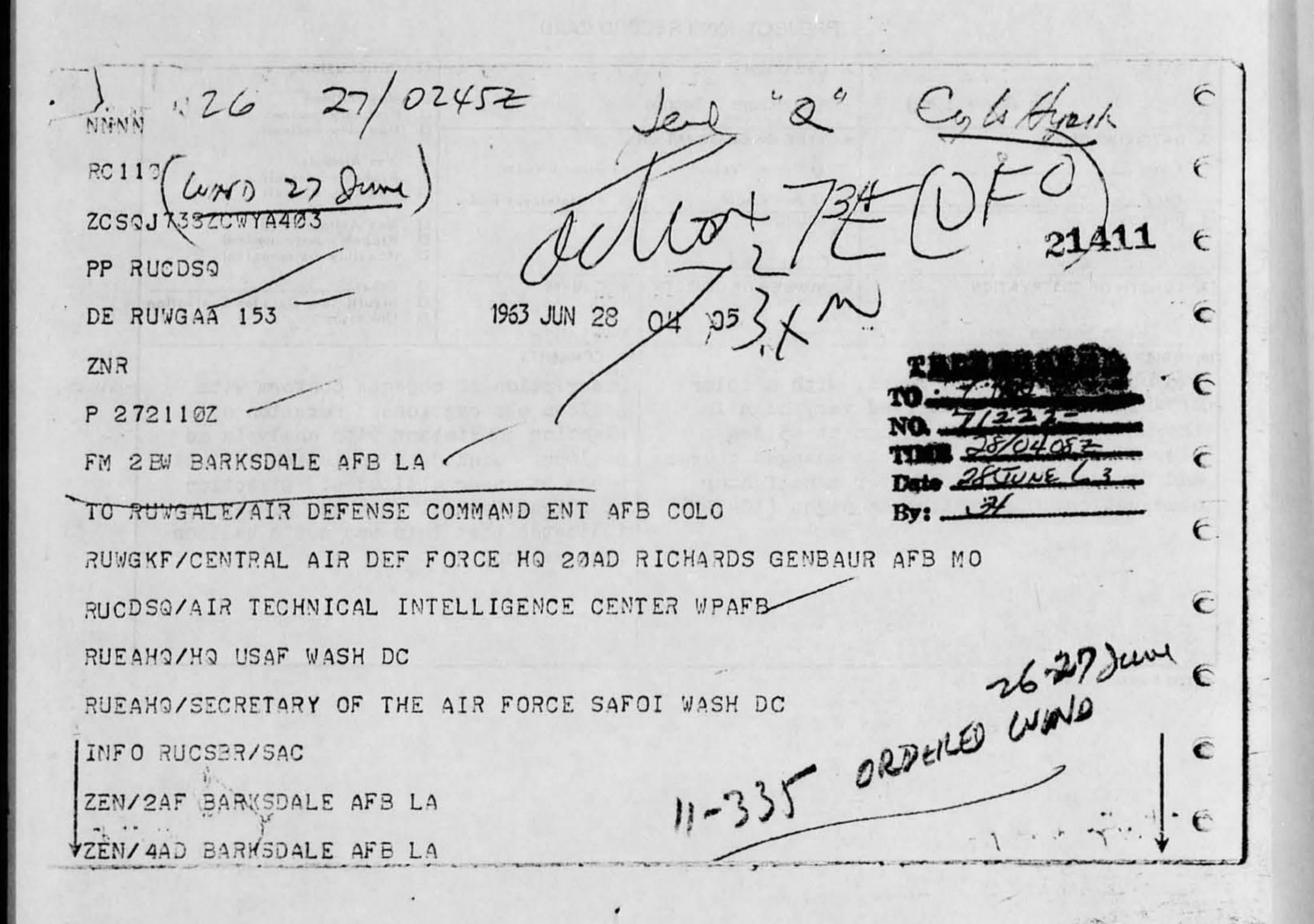
	Pibal ht. above		Rowin	Elevation	n angle ⁰	Distance from			Win	d
Signt range (m.) (yds.)	ht. above sfc. (m.)	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51		34.1		fi .	353.4	51		
	14860	52	17370	34,4		25300		52	68	9.2
	15145	53		34.9			356.0	53		
	15425	54	18220	35.6		25300	357.4	54	99	9,1
	15705	55		36.4			358.8	55		
	15985	56	19020	37.3		24800	359.7	56	117	7.9
	16265	57		38.1			0.5	57		
	16545	58	19770	38.8		24400		58	99	6.8
	16825	59		39.3			2.3	59		
	17105	60	20560	39.7		24600	3.3	60	92	5.0
	17385	61	20830	40.3		24400		61		
	17670	62						62		-
	17950	63			and the			63		
	18235	64			N. I.			64		
	18515	65						65	01	14-11
	18795	66	74-1-1	1 1 EX. 2	X			66		
	19080	67			3 300-			67		ite
	19360	68						68		
	19645	69						69		
	19925	70			11		(0)	70		1
	20210	71						71		
	20490	72			11			72		- 1
	20775	73			The state of			73		
	21055	74						74		
	21340	7:						75		
	21620	70						76		
	21905	77		-	1.			77		
	22185	78						78		
	22470	75	-	1				75	-	
	22750	80						80	-	
	23040	81						81		
	23320	82			7 7			82		
***	23600	83						83		
	23880	84						84	-	

Slant	•1u	Rawin	Elevatio	Elevation angle	Distance from	Azimuth		Discolored	Pu Care
(m.) (yds.)	miM	surface (m.)	Observed Smoothed	Smoothed	point (m.)		nIM	360°= N (m	(m.p.s.)
	106						106	1886	
	107				A A 12 A 1		107		
	108						108	17 17 19	
	109						109		
	110						110		
	Ξ						=		
	112						112		
	113						113		
	17						114	Annual Section	
	115						115		

Alti

Pan

inuder	irection egrees)	peed 1.p.s.)	Card	itudes.	rection igrees)	beed
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BORROWS CHAINS	20490.	n		100000	1,0 The state of		The second	12	建筑性型的现在分类 。
	20778	n						73	
	21055	14						74	
	21340	75						75	
	21620	76						76	
	21905	77						77	
	22185	78						78	
	22470	79						79	
	22750	80						80	
	23040	81						81	
	23320	82						82	
	23600	83	1.0					83	
	23880	84						84	
	24160	85						85	
1	24440	86						86	
	24730	87						87	
	25010	88					e de	88	
	25300	89	4290					89	
	25580	90				2 1		90	
1	25860	91	Av Est					91	
F 77	26140	92			KI		7	92	
-	26420	93						93	•
	26700	94						94	
	26980	95						95	
	27260	96						96	
-	27540	97						97	
	27820	98				-3.		98	
1 1 2	28100	99			-			99	
	28380	100		,				100	
		101		7				101	
	25940	102				2 7 7 7		102	
	29220	103	- 14-13		280			103	7 8 10
	29500	104						104	
		105			1			105	

-	-	-	-		0	-	~	~	-	
etuniM	9	107	108	50	=	Ξ	12	Ξ	=	=
Slant range (m.) (yds.)										

Altin

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Cord	Altitudes	Direction (degrees)	Speed (m.p. m.)
	Cord No	. 3	15		Card No	. 4
.Ty	pe of ipment	8	16	Ty	pe of pment	8
19	116	8	17-	31		
20	97	7	22-	32		
21		4	27-	33		
22			32- 36	34		
23			37-	35		
24			42- 46	36		
25			47- 51	37		
26			52- 56	38		
27	*		57- 61	39		
28	*	20-21-0	62- 66	40		
29			67-	41		
30		ATTENDED	72- 76	42		

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

'Identive Port. LOUISIANA

Greater Shreveport Municipal Airport Lat. 32°28'N Long. 93°49'W

Local Standard Time, 90th Meridian El of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

	Year	Month	Day	Time
Actual time	1963	JUN	26	1730
Scheduled (G.M.T.)			Annual Contract of the Contrac	

Elapsed

time (min.)

0.0

6,6

9,3

11.9

14,3

21.5

23.9

26,2

3512

50.7

56,2

Ascension No. 7/0

Orientation,	360° = South
Olignialion,	300 - 3001

Type of ballo	on /300	52	27									ntation,	360° = South	
	Pibal		7.00 × 7.00	Elevati	on angle ⁰			1	Wir	nd b			onde Time-Altitu	de Data
Stant range (m.) (yds.)	stc. (m.)		Rawin ht. above surface (m.)	Observed	Smoothed	Distance from observation point (m.)	Azimuth angle	linute	Direction ^o 360°= N.	Speed (m.p.s.)	Contact	Pressure (mb.)	Altitude (m., m. s.l.)	Elaps
		-	0.1					1	stc. 90	3.1	-	-		(min.
	216 350 414	1	260	55.0		100	159.1	1	153	3.6	5.3	1006	. 79.	0.
	670	2	570	51.6		450	152.7	2	104	4.4	5	1011		
1	612 980	3	820	53.3		600	116.4	3	81	4.5	10	946	640	2.
	801 1285 990	4	1080	54.2		800	1/2.4	14	91	3.5	15	882	1250	4.
	1585	5	1340	54,0		1000	105.5	5	72	3.1	20	822	1850	
	1170 1880	6	1650	55.0		1100	98.9	6	80	2.7	25	764	2460	9,
	1350 2170	7	1900	55.4		1500	19.8	7	77	1,7	30	707	3090	11.
	1530 2455	8	2/20	58.3		1300	95.8	8	. 3	2.3	35	654	3720	14,
	2740	9	2340	60.7		1300	86.4	9	357	36	40	602	4400	16.5
	1890 3020	10	2570	63.4		130 e	76.4	10	339	4,2	45	554	5060	19,
	2070 3300	11	2810	66.1		1250	63.1	11	325	5.2	50	50)	5770	21.
	2250 3580	12	3020	68.6		1200	117.8	12	304	5.9	55	463	6450	23.9
	2430 3855	13	3300	12.2		1100	28.2	13	284	6.3	60	421	7160	26,2
	2610 4130	14	3560	74.3		1000	7.6	14	291	5.1	65	382	7890	29.
	2790 4405	15	3860	72.3		1209	3578	15	341	4.3	70	344	8650	32.4
	2970 4675	16	4200			1500	358.3	16		5.8	75		9450	351
	3150 4945	17	4500	67,2		1900	1,2	17	10	59	80	275	10200	37.8
	3330 5215	18	4770	65.4		2200	2.1	18		4.9		244	11000	40.
	3510 5485	19	5020	631		. 2500	2.0	19	-	6.6		215	11820	13.
	3690 5755	20	5300	6014		3000	2.6	20	5	7,6	95		12700	45.
	3870 6025	21	5570	59.2		3400	219	21	3	6.7	100	164	13590	48.
	4050 6295	22	5860	56.4		3400	2,5	22	360	6.5	105		14450	50.
	4230	23	4140	54.9		4200	2.2	23	7	6.5	110	170	15410	53
	6555 4410 6835	24	6410	cdo		1600	1,9	24		7.4	115	121	16450	56,2
	4590 7105	25	6770	320		3100	1.4	25		6.7	120	100	17610	59.4
	4770	26	And the second s	52,4		5400	0.3.	26	-43	4.8	125	67		63.4
	7375 4950	27	1310	52,1				27		4.1	130		90600	67.8
	7645 5130	28	121.0	51.0	-	5600	358.3	28		8.0	135	1	22870	733
	7915 5310	-	HOO.			4500	357,1	+	1300	8 . 0		1-		
	5310 8185 5490	30	1880	50.2		42	355,2	29	1200	11.0	140		31440	80.0
	8455	31		43.6		7/100	352.7	30	1	1/18		19	33538	93,0
	5670 6730 5850	32	4310	76.1	†	1100	350.5	31	0.0	15.4	275			
	9005	-	0.05	44.9		OCO.	348.2	-	100				unched Card Dat	
	9285	33	8820	42.9	ļ	1400	346.3	33	75.4	,,,	des	i i i	7 2 P	re es
	9565	34	975	404		11100	304.8	34	526	11.0	leit	e e	3 E 0.5	deg
	9850	35	1550	1.27:1 .		11400	1542.6	35			1	00		30

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
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是中国特别的	在20世中,10年14日16日 1950年	-	である。「これの	COUNTY IV	のは、一般の	permitty on Call calls	athonores of a	1442	SAME OF LAND	Branch Tales
	4210 6563	23	4140	54.9		4200	22	23	359	6.5
	4410	24	6410	00		1600	1,9	24	358	7.4
	4590 7105	25	6770	53.0		5100	1.4	25	352	6.7
	4770	26	7020	52,4		5400	0.3	26	331	4.8
	4950 7645	27	7310	52,1		5600	358.3	27		
	5130 7915	28		51.0			357,1	28	336	8.0
	5310 8195	29	7880	50.2		1500	355,2	29		
	5490 6455	30		48.6			352.7	30	328	1/19
	5670 8730	31	8310	467		7100	350.5	31		
	5850 9005	32		44.9			348.2	32	328	15.4
	6030 9285	33	8820	42.9		9500	346.3	33		
	6210 9565	34		409			344.8	34	326	17.0
	9850	35	9330	39,1		1400	342.6	35		
	6570 10135	36		37,2			340.4	36	321	20.2
	6750 10420	37	9930	35.7		13700	338.8	37		
	6930 10710	38		34,8			338.0	38	326	15.5
	11005	39	10520	34,0		15500	337,2	39		
	7290 11300	40		33.4			336,1	40	309	14.0
	7470 11595	41	11120	32,9		17000	334.5	41		
	7650 11890	42		32.1	100		333.7	42	325	18.0
	7830 12185	43	11820	31.6		191,0	333 4	43		
	12480	44		30.3			335,3	44	335	20.5
	8190 12775	45	12500	24.9		21600	333.4	45		
	13075	46		2.9.0			334.1	46	344	22.0
	8550 13375	47	13120	2812		24300	3347	47		
	8730 13675	48	. 1 / 1	2714		25800	335,9	48	354	26.0
	8910 13975	49	13830	26.1		27200	337.1	49		
	9090 14275	50	14130	26.4		28300	338.3	50	1.	21.0

Coded Data for Transmission

SHH	00921	1507	2 1009	3080	15806	0805	+080+	3604	8 3507
7,309	03111		11 10 1	11100	8 3604	03613	13 3410	53416	03533
23239	34733	03340	53551	00127	00100	99997	00718	00992	00728
01030	00131				19 17			Y (4) 19	MINNE TO THE
				14	· * * * * * * * * * * * * * * * * * * *				11000

1	to an interior	demand with a Same	Terrene de la
110	12.1	15000	533
115	102	16450	56,2
120	84	17610	59.4
125	67	19090	63.4
130	52	20600	67.8
135	37	22870	733
140	22	26160	80.0
20	10	31440	92,3
275	7.4	33538	94.0

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 1	15		Card No	. 2
The second second second second	pe of	8	16	T	pe of	8
sfc.	90	.3	17-	.7	338	7
150 m,	113	3	22- 26	8	332	10
300 m.	149	+	27- 31	9	327	17
0.5	125	4	32• 36	10	723	18
1.0	84	4	37- 41	11	311	15
1.5	72	3	42- 46	12	332	20
2.0	60	2	47- 51	13	346	23
2.5	351	4	52- 56	14	2	23
3	314	5	57-	15	7	16
4	344	5	62- 66	16	13	9
5	6	6	67-	17	55	4
6	359	7	72- 76	18	77	4

Maximum Wind Speed Data

Maximum Wind	speed Dote	1
Min. alt. wind speed 45 m.p.s. or more (m.)		
Alt. of maximum wind speed (m.)		
Max. wind speed (m.p.s.) and dir. (degrees)		
Oir. (degrees) and speed (m.p.s.) of Max. wind		
Enter check If additional	levels	

Enter check if additional levels appear on reverse side.

"Ida SHEEVEPORT, LOUISIANA Greater Shreveport Municipal Airport Lat. 32°28'N Long. 93°49'W Local Standard Time, 90th Meridian El of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

	Year	Month	Day	Time
Actual time		JUM		1730
Scheduled (G.M.T.)	1963	JUN	58	7330
Ascension i	to. 7	10		

Page

61	Pibal ht. above		Rowin	Elevation angle ⁰		Distance from			Wind	
Slant range (m.) (yds.)	100- gram	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth angle o	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51	•	26.1			339,2	51		
	14860	52	14870	25.9		30400	3402	52	6	16.0
	15145	53		25.8			341,2	53		
	15425	54	15600	26.0		31700	34.6	54	8	11,0
	15705	55	- Chinesia - Chinesia	26.2			341.9	55		
	15985	56	16320	26.5		32500	342.4	56	21	5.
	16265	57		26.9			342.4	57		
	16545	58	17050	27.3		32800	343.2	58	67	4.0
	16825	59	MINISTER THE TOTAL CONTRACTOR	27.8		,	2.	59		
	17105	60	17820	28.3		32800	344.3	60	77	40
	17385	61		28.8	. ,		344.P	61		
	17670	62	18530	29.2		32800	345.1	62	71	3.0
	17950	63		29.6		70,00	345.4	63		-
1	18235	64	19270	30.2		32800	345.7	64	64	4.0
	18515	65		30.4	1,		346.5	65		
	18795	66	19940	_		33100	347.2	66	65	6.0
	19080	67		31.2			343.0	67		
	19360	68	20640	31.6		33200	349.2	68	67	8.0
	19645	69		31.9			350.3	69		
	19925	70	21440	32.3		33600	351.2	70	72	10.
-	20210	71	and the same of th	32.7	1915		3522	71		
	20490	72	2.2.230	33.3		33500		72	80	11.0
i de	20775	73		33:1			354.3	73		
	21055	74	23140	34.2	Tribaco .	33.700	355,3	74	85	1100
	21340	75		34.6			356.3	75		
	21620	76	23960	35.2		33600	3573	76	90	120
	21905	77		35.6		V / V V V	3583	77		
	22185	78			32	33600	0.4	78	1	11,0
	22470	79		36.8		3.000	0.7	79		
	22750	80		37.3		33600	117	80	00	8.0
	23040	81	1	37.6		2,40	2.9	81	-	0.0
	23320	-	26800	37.9	. 6 20	34.0	1/1	82	-	13.0
	23500	83				54100	5.7			1300
		_	27870	38.2		34600	0.5	83	57	16.

Distance from Azimuth & Direction Speed observation angle & Direction Speed Point (m.) 0 \$ 27360 = N (m.p.s.)	106	107	108	601	011		112	113	114	
Elevation angle Observed Smoothed										
Rawin ht. above surface (m.)										
etuniM	106	107	108	109	011	Ξ	112	=	71	
Slant range (m.) (yds.)	1									

# P	rion 	· ·	P E	# P	rion ses	₽;
il ite	Sirec degr	S (H. P.	0 0	Altit.	Direc	Spec G.F.

《公司》	****	100	2.0130	ייי ביוכני	***********	でいる。	Shirt A Street	700	Course Comment	14 L L 13
	20775	73		33.7			35/3	73		
	21055	74	23140	34.2		33700		74	85	1100
	21340	75		34.6			356.3	75		
	21620	76	23960	35.2		33600	3573	76	90	120
	21905	77		35.6	1		3583	77		
	22185	78	24720	36.2		33600	0.4	78	92	11,0
	22470	79		36.8			0.7	79	3	
	22750	80	25800	37.3		33600	117	80	79	8.0
	23040	81		37.6			2.9	81		
	23320	82	26800			34100	4.1	82	74	13.0
	23600	83		38.2			5.7	83		1.1.4.11
,	23880	84	27870	34.5		34600	7,3	84	76	16.0
	24160	85		386			9.1	85		
	24440	86	24020	38.9		35700	10.5	86	86	180
	24730	87		31.4			12,2	87		
	25010	68	30060	399		35600	14.0	88	99	16.0
	25300	89		40.4			1514	89		
	25580	90	31220	40.7		3<900	16.9	90	97	14,0
	25860	91		41,2	1		18.3	91		
	26140	92	32320	4113		36400	19.7	92	86	15.0
	26420	93		41,4		Rills	21,1	93		
	25700	94	33460	41.4		37600	2215	94	79	16.0
	26980	95						95		
	27260	95						96		
	27540	97						97		1 24
*	27820	98				*		98		100
	28100	99						99		
	28360	100						100		1
	28660	101						101		
-	28940	102						102		1414
	29220	103			1, 1, 1, 1		7	103		18
	29500	104		1				104		1.1
	29760	105						105		

etuniM	10%	107	108	20	110	111	112	113	114	115
Slant range (m.) (yds.)			3							

Altitu

Punched Cord Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Cord No	. 3	15		Card No	. 4
	ype of	8	16		pe of	8
19	68	3	17- 21	31	97	15
20	1.5	6	22-	32	90	15
21	67	9	27- 31	33	82	15
22	74	1	32- 36	34		
23	80	11	37- 41	35		
24	90	12	42- 46	36		
25	90	11	47- 51	37		
26	77	8	52- 56	38		
27	74	13	57- 61	39		
28	35	16	62- 66	40		
29	83	18	67- 71	41		
30	92	16	72- 76	42		

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

"Montification LOUISIANA ater Shreveport Municipal Airport S2°28'N Long. 93°49'W al Standard Time, 90th Meridian of Station, 79M. RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET

WBAN-20

	Year	Month	Day	Time
Actual time	1963	JUN	26	2330
Scheduled (G.M.T.)	1963	JUN		0530

Rowinsonde Time-Altitude Data

Ascension No. 711

Orientation, 360° = South

	Pibel	1		Elevati	on angle				Wir	nd
Slant range (m.) (yds.)	ht. above	Kinute	Rawin ht. above surface (m.)	Observed	Smoothed	Distance from observation point (m.)	Azimuth angle	Minute	Direction ^o 360°= N.	Speed (m.p.s.)
	216 350	,	22	59.7		130	122.1	-	ste. 130	2,1
	350 414 670	2	230				133.1	-		3.3
	670 612 980	3	540	55./	-	1100	134.5	1	141	511
	980		820	50.8	-		139.3	3	150	4.6
	1285		1130	49.1		450	144.3	1	164	44
	1585	3	1420	48.4		1208	150.3	5	172	4.8
	1880	6	1640	48.2		1500	154.7	6	164	2.5
	2170	7	1870	52,2		1500	1527	7	27	1.4
	1530 2455 1710	8	2130	545		1400	149.2	8	22	3. 2
	1890	9	2410	60.7		1300	139.7	9	26.	4.4
	3020	10	2670	45.1		1200	127.1	10		5.3
	2070 3300	11	2960	70.5		1050	110.1	11	359	7.6
	2250 3580	12	3230	73,2		959	78.8	12	353	8.6
	2430 3855	13	3560	72,0		1100	51,6	13	356	8.1
	2610 4130	14	3820	69.3		1450	36.3	14		6.4
	2790 4405	15	4120	67.5		1700	30,4	15	2	5.2
	2970 4675	16	4420	62.8		2000	26.3	16	2	313
	3150 4945	17	4730	642		2300	22.7	17	(0	4.3
	3330 5215	18	5000	63.2		12500	22.1	18	21	4,2
	3510 5485	19	526 e	61.7		2900	22.2	19	25	5,8
	3690 5755	20	5520	1001		3200	23.3	20		6.7
	3670 6025	21	5800	58.U		,3600	23.9	21	28	4.7
	4050 6295	22	6070	56.8		4200	24.7	22		5.0
	4230 6565	23	6340	55.8		4200.	23.5	23	13	3,0
al A	4410 6835	24	6650	54.5		4700	22,4	24	0	0 0
	4590 7105	25	10930	537	T THE	6100	19.7	25	0	8-
	4770	26	101-10	52.8		-3(,,	17,0	26	249	8.4
	7375 4950	27	7530	31.4	-	10000	14.9	27	1	7.0
	7645 5130	28	1.7.39	50.4			13.4	28	7<9	9,4
	7915 5310	29	8120	48.7		111	125	29	0.	11
	8185 5490	30	0100	1 1)		1/100	12,1	30		
	8455		8090	46.1		1.	1117	+		12.0
	8730 5850	31	8")40	43.5		8500	02	31	- 111	
	9005	32	0:	406			19.7	32	346	10.6
	9285	33	4400	43.9		470c	8.1	33		
	9565 9565	34		43.5		10700	6.4	34	334	10.4

Con-	Pressure (mb.)	Altitude (m., m. s.l.)	Elapsed time (min.)
5.0	1008	79.	0,0
5	1008		
10	942	660	2.2
15	878	1300	4.4
20	817	1900	6.8
25	758	2510	9.2
30	702	3140	11.4
35	649	3780	137
40	598	4450	16.0
45	549	5/30	18.3
50	502	5860	20.9
55	459	6520	23.3
60	417	7250	25.8
65	378	7960	· 28.2
70	340	873 €	30.7
75	306	9420	33 1
80	272	10300	35.3
85	242	11010	37.6
90	214	11870	401
95	188	12720	42.5
100	164	13560	4.1
105	14/	14500	47.5
110	120	15070	49.7
115	102	16470	52.5
120	85	17560	55.3
125	70	18780	58.5
130	54	20400	62.5
135	41	22100	
140	27	24750	
* /32.U	48	21150	64.0

-	*epo	cetion rees)	P G	Page 1	nde.	ction rees)	70
	Atri	Dire (deg	N E	0.5	Alti	Dire (deg	S P

中的数据的实现中的	ALC: NO. OF STATES	لدىخا چ	District A" Ans	P 193 300	I II Bed	2	A STATE OF THE PARTY OF		-	the second second	-	-	-	THE OWNER OF THE OWNER,
48 (8.5 A	4411	24	669	50	54.5		udayetes	A THE STATE OF THE	1	200	22,4	24	2	10
	4950	25	109	20	537				4	100	19.7	25		
	1770	20			52.	8					17,0	26	349	8.4
	7612	27	153	0	51.6				01	000	14,9	27		
	5130 7915	28			50.4						13.4	28	359	914
	5310 8185	29	8/2	0	48.7				71	00	125	29		
	5490 8455	30			461	1					121	30	7	12.0
	5670 8730	31	87	90	45.5				4	Soo	11,2	31		
	5850 9005	32			44	6					9.7	32	346	,0.6
	6030 9285	33	940	0	43.	9			9.	700	8.1	33		
	6210 9565 6390	34			43.5						6.4	34	334	10.4
	6390 9850	35	1012	0	432				10	700	4,2	35		
	6570 10135	36			42.	2	-				2,7	36	354	15.0
	10420	37	1082	0	40.	7			13	LK90	2,5	37		
	6930 10710	38			39.1						2.5	38	355	19.3
	7110	39	1152	0	37.	7			14	800	1.7	39		
	7290 11300	40			36.	2					0.7	40	354	22.0
	7470 11595	41	122	00	34.9				1-	1400	0.4	41		
e care	7650 11890	42	19.		33.4	,	,	-			0.4	42	300	20.5
	7830 12185	43	128	20	32.9		Y		10	1700	0,4	43		
	8010 12450	44	1313		32.2	-			2	0790	3593	44	351	17.4
	8190 12775	45		0	31,6				21	800	359.4	45		
	8370 13075	46	1392	2	30.9				2	3000	357/	46	354	20,0
	8550 13375	47			30.3						359,3	47		
	8730 13675	48	1471	0	29,1	7			251	000	359.0	48	9	18.0
	8910 13975	49			2414	1					0.6	49		
	9090 14275	50	155	40	293				カフ	500	110	50	18	120
					Cod	ed D	ata fo	r Trans						
メナリ	16930	1	100	2 11	410	, 5	99	4 11	99	170-	16070	31	0206	0208

	115	102	164701	52.5
	120	85	17560	55.3
	125	70	18780	58.5
	130	54	20000	62.5
	135	41	22100	
	140	27	24750	
1	× 132.0	48	21150	64.0

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p.s.)	Cord	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 1	15	į.	Card No	. 2
	pe of	8	16	T	pe of	8
sfc.	130	2	17-	7	356	8
150 m.	133	3	22- 26	8	1	10
300 m.	136	4	31	9	353	11
0.5	138	4	32- 36	10	338	1/
1.0	154	5	37- 41	11	355	18
1.5	171	5	42- 46	12	355	22
2.0	26	2	47- 51	13	354	19
2.5	25	4	52- 56	14	254	20
3	260	.7	57-	15	13	17
4		6	62-	16	18	10
5	1)		67- 71	17	30	5
6	26	6	72- 76	18	SY	4

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Max. wind speed (m.p.s.) and dir. (degrees)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Enter check If additional leve	le l

Enter check if additional levels appear on reverse side.

SHREVEFORT, LOUISIANA
Greater Shreveport Municipal Airport
Lat. 32°25'N Long. 93°49'W
Local Standard Time, 90th Meridian
Local Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

ı		Year	Month	Doy	Time
	Actual time th mer.	1963	JUN	26	2330
	Scheduled (G.M.T.)	1963	11151	9.5	0530
	Ascension I	to. 7/1		1	

Page

	Pibal ht. above		Rowin	Elevatio	n angle ⁰	Distance from			Win	d
range (m.) (yds.)	afc. (in.) 100- gram	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51		29.2			1.0	51		
	14860	52	16340	24.2		29100	1.2	52	14	6. 0
	15145	53		29.2			1.7	53		
	15425	54	,7070	29.4		30100	2,0	54	35	5.3
	15705	55		24.7			2,5	55		
	15985	56	17820	30.3		30300	2.6	56	-3	4.0
	16265	57		30.7		7 760	2.7	57		
	16545	58	18620	3/:1		30600	3.2	58	SY	6.
	15825	59		31,4	•		3.7	59		
0.15-2-10	17105	60	19470	3115		31500	5,1	60	68	100
	17385	61		31.8	7.44		6,5	61		,
	17670	62	20270	32.1		37000	7.5	62	10	11.0
1	17950	63	State of the latest and the latest a	32.3			8.6	63	,	
	18235	64	2/600	32.9		32300	9.8	64	85	11.0
	18515	65		-				65		
	18795	56						66	1 6 6	
	19080	57						67		
	19360	68						68		
12.01	19645	69						69		
	19925	70			100			70		
	20210	71						71		
	20490	72						72		
	20775	73			\$4. THE			73		ţ.
	21055	74	24000	10 - per 0-	対では	-44		74		
	21340	75						75		
	21620	76						76		
	21905	77					1	77		
	22185	78						78		
	22470	79						79		
	22750	80						80		
	23040	81						81		
	23320	82						82		
	23600	83						83		

Stant	011	Rawin	Elevatio	Elevation angle	Distance from	Azimuth	otu	*	,
(m.) (yds.)	MIN	surface (m.)	Observed Smoothed	Smoothed	point (m.)	elgie o	Min	360°= N (m	(m.p.s.)
	108					100	106		
	107					1	107		
	108					7	108		
	109						109		
	110						110		
	11						11		
	112						112		
	113						13		
	114						114		
	115						115		

3. Loca Stand time, meri 4. El. o. 5. Meth obs. rawis rawis 6. Type equi WBR GMD GMD

Altito

it udes	ection grees)	peed .p.s.)	lumns .	itudes	grees)	pesd
---------	------------------	----------------	---------	--------	--------	------

	-			ind a superior	Peter Target	THIS (SEE THOSE MARKET OF THE SECTION OF	FIFTHER PART	ger iv to			(COST)	80		-112	Thu bas	
	10414	77	A STATE OF THE PARTY OF THE PAR	ON SHEET				Chronic Control	FIRM HISPINATOR	W 117.121.	S PERSONAL PROPERTY.	_	e an impact	Septime.	postejojo o	1-6
E SANGES	20778	73	The state of	111	V. 51			73		etuniM	18	5 5	109	E	= =	=
	11868	74	THE PERSON NAMED IN COLUMN	HIT TOWN	ANTIGET -	1.4		74		1 -	. 1					
	21340	13		-				75		Slant range				1		
	21620	76						76				1	11	1		1.
	21905	77						77		1						
	22185	78						78		- 1						
	22470	79						79								
	22750	80						80								
	23040	81						81		010						
	23320	82						82			-	Pun	hed Co	ard De	ita	
	23600	83						83	The state of	1 3	£ ?	25	1	deg	e e	7:
	23880	84						84		Altito	Direct (degre	Spee	Page	Altitu	Direct (degre	Spee (A.P.
	24160	85						85					15	<		
	24440	86						86			e of	0	16	T	Card N	
	24730	87		1			21.1.	87			ment	18	7 17-	1	ipment	0
	25010	88						88		19	61	+ '	/ 21	31		-
	25300	89						89		20	16	14	22- 26 27-	32		-
4	25580	90					75	- 90			84	11	31	33		-
	25860	91					1	91		22		-	32- 36	_		_
	26140	92					4	92		23			37-			
	26420	93	1 191					93		24			42- 46			
	26700	94			-,-			94		25			47- 51	37		
	25980	95			9.5			95	\$0.	26			52- 56	38		
	27260	-		7.5		4, 6		96	7	27			57- 61	39		
	27540	97		1				97		28			62- 66			
	27620	98						98		29			67- 71			
	28100	99						99		30			72- 76			
		100						100			м	oximu	m Wind		Data	
		101				•		101		Min.		ind spe		T		
		102						102	3.1				(m.)	-	-	
		103						103		Alt.				_	_	
		104			7			104	- 7 7				d speed			
	29780	-						105	1 5	Max.	alt. w	ind sp	(m.)			

•tuniM	106	107	108	109	110	111	112	113	114	115
Slant renge (m.) (yds.)										

Altitudes	Direction (degrees)	Speed (m.p.s.)	Cord	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 3	15		Card N	
T	ype of	8	16	Ty	pe of pment	8
19	61	7	17- 21	31		
20	76	11	22-	32		
21	84	11	27- 31	33		
22			32- 36	34		
23			37- 41	35		
24			42- 46	36		
25			47- 51	37		
26			52- 56	38		
27			57- 61	39		
28			62- 66	40		
29			67- 71	41		
30			72-	42		

MUNIMUM HING 3	peda Dara
Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

SHROVEPORT, LOUISIANA

Greater Shroveport Municipal Airport

Lat. 32°25 N Long. 93°49'W

Local Standard Time, 90th Meridian

El. of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE

WINDS-ALOFT COMPUTATION SHEET

WBAN-20

Company of the Compan	Year	Month	Day	Time
Actual time th mer.	1963	JUN	27	0530
Scheduled (G.M.T.)	1963	JUM	27	1130

Ascension No.

360° = South

Rawinsonde Time-Altitude Data

Type of ballo			GRM	Et							Orien	ntation,
	ht. above		Rewin	Elevoti	on angle ⁰	Distance from	Azimuth		Win	nd	-	Rawinso
range (m.) (ydz.)	300 (m.)	Inute	eurface (m.)	Observed	Smoothed	observation point (m.)	angle	inute	360°= N.	Speed (m.p.s.)	Con-	Pressure (mb.)
	6,	¥	\ <i>\</i>			()	0	Ä	stc. /20			
	216 350	1	250	29.4		400	139.1	1	146	5.8	4.8	1007
	670	2	530	35.9		700	145.8	2	163	3.5	5	1005
	980	3	800	45.1		800	1507	3	302	1.2	10	938
	801 1285	4	1090	53.2		780	1540	4	306	0.8	15	876
	990 1585	5	1400.	620		730	153,7	5	357	1.8	20	8/6
	1880	6	1700	71.5		580	145.7	6	352	3.3	25	758
	1350 2170	7	1970	79.1		370	135.3	7	345	3,3	30	702
	1530 2455	8	2280	84.0		240	116.9	8	342	3.2	35	650
	1710 2740	9	2560	86.9		150	56.3	9	343	3,9	40	597
	1690 3020	10	7850	82.1		380	13.2	10	348	6.4	45	550
	2070 3300	11	3120	74.7		840	358.4	11	351	2.7	50	503
	2250 3580	12	3410	69.6	-,	1275	356.1	12	352	5.9	55	459
	2430 3855	13	3690 .	622		1550	355.4.	13	347	5.3	60	
	2610 4130	14	3900	64.4		1900	353.0	14		6.2	65	379
	2790 4405	15	4240	61.8		2275	352.6	15	355	フッツ	70	342
	2970 4675	16	2550	58.7		2750	3535	16	358	8.2	75	307
•	3150 4945	17	4830	56,4		3250	354.3	17	1	8.0	80	274
	3330 5215	18		54.5		3700	358.4	18	352	5.1	85	244
	3510 5485	19	5350	53.9		3850	353.9	19	336	513	90	
	3590 5755	20		52.9		4300	3527	20	346	7.2		190.
	3670 6025	21	5920	51.7		4700	352.6	21	. 1	6.7	100	164
	4050 6295	22		50.5		5100	3541	22	10	7.8	. 105	142
	4230 6565	23	1.450	49.7		5600	355.4	23	12	7.8	110	122
	6835	24	6730	48.1		6000	356.0	24	21	10.4	115	102
	4590 7105	25		48.0		6300	358.5	25		- 1 /al fa	120	85
	4770 7375	26	×	117.6			0.0	26	20	8.0	125	67
	4950 7645	27	7620	47.2		7200	1.5	27			130	52
	5130 7915	28		46.7			2.5	28	23	5.0	135	36
	5310 8185	29	8140	461		7880	3.5	29			140	21
	5490 8455	30		44.9			4.3	30	12	11.0	200 200	
	5670 9730	31	8710	43.8		9200	4.6	31			1050	142
	5850 2005	32		42.2			5.4	32	16	13.0		P
	6030 9285	33	9270	uax		10800	6.7	33			# 6 P	tion (ses)
	6210	34	9860	The second secon			6,2	34	9	1510	it cd	200
	6398	35	9860	37.8		12700		35	-		14	(degr

	Con-	Pressure (mb.)	Altitude (m., m.s.l.)	Elapsed time (min.)
Ŀ	4,8	1007	79 .	0.0
	5	1005	100	0.3
	10	938	700	2.4
	15	876	1300	4.1
	20	8/6	1900	6.5
	25	758	2500	. 8.7
1	30	702	3/60	10.9
	35	650	3780	13, 2
	40	597	4470	15.5
	45	550	5110	17.9
1	50	503	5800	20,5
	55	459	6510	23,0
	60	418	7220	75.5
	65	379	2940	28.1
	70	342	8700	30.8
	75	307	9450	37.6
	80	274	10250	36.3
	85	244	11000	39.0
	90	216	11830	41.6
	95	190.	12640	44,5
1	100	164	13570	47,6
	105	142		
	110	122		
1	115	102		
	120	85		
1	125	67		
	130	52		
	135	36		
	140	21		
	× -			
-	1051	142	14446	50.0

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
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DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
Air Weather Service (MATS)
Asheville, North Caroline

REPLY TO

ATTN OF: CCDPD

SUBJECT: Surface Data and Wind Data for Texarkana Area

25 Sep 1963

TO: ATIC/TDE (FD Div/Sgt Moody)

1. Reference: Your telephone request on 24 Sep 1963.

2. We are sending a copy of the surface observations (WBAN 10 Forms) recorded on 26-27 June 1963 at Texarkana, Arkansas. Also inclosed are copies of the WBAN 20 computation sheets for observations on 26-27 June 63 at Shreveport, La.

FOR THE DIRECTOR

JAMES R. DECOSTER

Chief, Data Processing Division

2 Atch

1. Cy sfc data

2. Cy wnd data

FERRING BUCKET SERVICE SERVICES OF SERVICE

52.9 5650 4300 35171201700100 5755 3870 6025 51.7 5920 6.7 4700 352.6 21 4050 6295 480 7,8 50.5 5100 22 3541 10 4230 6565 49.7 5600 355.4 23 1.450 6835 48.1 6000 6930 356.7 24 STATE OF THE PARTY OF THE PARTY. 4590 7105 48.0 7010 6300 3185 25 4770 7375 X 117.6 0. 0 26 20 8,0 4950 7645 47.2 1.5 27 7620 7200 tion 5130 7915 46.7 23 5.0 2.5 20 m. 3.5 5310 8185 8140 461 29 7800 5490 8455 44.9 12 30 4.3 11.0 dit. 5670 8730 43.8 8710 31 4.6 9200 5850 9005 16 47.2 1.4 32 13.0 msi. 6030 9285 9270 33 uay 10800 6.1 6210 9565 6390 1510 39.7 6,2 9860 37.8 35 12700 9850 6570 10135 36. W 17.0 6750 10420 34.9 10470 37 14900 61 6930 10710 5 19,0 33,7 6,2 7110 6,2 32.6 11020 17200 39 7290 11300 31.6 3 20.0 40 6,2 7470 11595 5.9 11670 30.6 19600 41 7650 11890 79.9 3 5.9 17.0 42 7830 12270 79,3 5.4 43 21700 8010 4 15 28.8 44 10 1 8190 12775 23900 6.2 12900 8370 13075 27.6 8550 26300 27. 13500 6.6 8730 13675 27400 6.14 8910 13975 28500 6.0 9090 27300 Coded Date for Transmission 3406 183407 130213 50313 00126 50136 00135 50136 73632 XMITO

:118

3690

72- 18

13570 471KT

14446

Punched Card Data

17-

22-26

27-31

32-36

37-

42-

47-

41 11

10

50.0

Card No. 2

Type of equipment

20

21

5

100

120

125

130

135

140

105 142

85

67

Directic (degree

Card No. 1

120

1436

357 2

Type of equipment

sfc.

150

Maximum Wind Speed I	Jota
Min. olt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Max. wind speed (m.p.s.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Enter check if additional levels	

*Identification SALEVEPORT, LOUISIANA Greater Shreveport Municipal Airport

Lat. 32"25'll Long. 93"49'W Local Standard Time, 90th Meridian El of Station, 794, RAWIN, GMD-1A U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

	Year	Month	Day	Time
Actual time —th mer.	195	3 JUL	127	1130
Scheduled (G.M.T.)	.460		27	1730

Rawinsonde Time-Altitude Data

Altitude

(m, m. s.l.)

670

1900

1510

3830

1500

5200

5900

8860

13820 33.8

Elopsed

time (min.)

0,0

3,0

4.2

4.8

5,5

6.0

6.7

360° = South Orientation,

Ascension No.

ype of bollo		00	J-R-RM	El. II				1			Unter	ntation,	
Slant	hr. above sfc. (m.)	1	Rowin	Elevation	on angle ⁰	Distance from	Azimuth	1	Wir		-	Rawins	on
range (m.) (yds.)	gron Jon	Minste	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	angle	Minute	360°= N.	Speed (m.p.s.)	Con-	Pressure (mb.)	1
		I	' ,			(111.)	•	I	stc. 240	3./			L
	216 350	1	460	65.8		200	283,5	1	266	2.5	5.0	1008	
	670	2	920	73,6		300	266.3	2	227	1.2	5	1008	
	612 950	3	1400	76.6	100	300	261.8	3	173	0.6	10	941	
	1285	4	1800	79.9		300	2556	4	246	0.6	15	877	
	1585	5	2800	84.0		300	249.3	5	79	1.8	20	816	1
	1170 1880	6	3800	88,2		100	279.5	6	73	2.6	25	757	
	1350 2170	7	4510	90.0		0	321.9	7	82	1.8	30	700	
		8	5200	84.4		500	39.9	8	22	8.0	35	696	T
	1530 2455 1710 2740	9	5780	80.5		IIM	2 2.0	9	11	8.0	40	594	
	1890 3020	10	6100	76.1		1500	25.5	10	19	10.0	45	544	
	2070 3300	11	6450	72.8		core	21.3	11	6	8.0	50	498	
	2250 3580	12	6780	69.5		2500	17.6	12	2	9.0	55	454	
	2250 3580 2430 3855	13	7030	67.8		2400	14.6	13			60	411	T
	2610 4130	14		106.7			11.1	14	328	8.0	65	372	T
	2790 4405	15	7650	66.7		3300	7.7	15			70	334	
	2970 4675	16		66.3			4.6	16	351	5.0	75	300	T
	3150 4945	17	8210	65.0		3000	4.9	17			80	266	T
	3330 5215	18		628			4.9	18	4	11.0	85	236	_
	3510 5485	19	8840	601		5100	4.4	19			90	207	T
	3690 5755	20	to the same of the same of the same of	578	×		4.8	20	7	/2.0	95	100	T
	3870 6025	21	9480	553		6500	4.5	21			100	158	T
	4050 6295	22		52.5			3.8	22	357	17.0	105		T
	4230 6565	23	10110	49.9		8500	2.8	23	g gent and the same of the		110		T
	4410 6835	24		48.4			1.9	24	357	13.0	115	77	T
	4590 7105	25	10730	46.7		10100	2.4	25			120		T
	4770 7375	26	70700	45.1		10.00	.2.5	26		15.0.	125		1
	4950 7645	27	11410	43.9		11900	2:2	27			130		T
	5130 7915	28	1	118		100	2.6	28	1	14.0	135		1
	5310 8185	29		41.6	-	13500	3.7	29		14.0	140		+
	8185 5490 8455	30		40.6	 	17500		30		15.0	140	-	+
		31	-	34.5	-	11-11-2	3.1	+-	1		\$3.3	11/2	+
	5670 9730 5850	32	16100		-	15 400	2.7	31		114 -	105.3		Pur
	5850 9005 6030	33		387		10.1	1 9	33		18.0			Ur
**********	6030 9205 6210	34	17750	36.4		17400	0.8	130	10		nd e	ction rees)	9
	6210	134	13700	1 26.4	1	1000	10.5	34	1 10	1/6.0		. 0	

it ude#	rection egrees)	peed .p.s.)	Card	titudes	irection legrees)	peed .p.s.)
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STIPS NACO	4230	23	1011	0	49.			8500	2.8	23		-	110						
None.	4410 6835	24		-	48.				1.9	24	357	13.0	115		-				
	4590 7105	25	1073	30	44.	_		10010	2.4	25	1000	- 8.23311/1	120		-		_		
	4770 7375	26			45.				2.5	26		15.0	125		-				
	4950 7645	27	1141	0	43.			11900	2.2	27			130				_		
	5130 7915	28			JU				2.7	28	3	14.0	135						
	5310 8185	29	1200	0	41.1			13500	3.7	29			140						
	5490 8455	30			40.1				3.1	30	357	15.0							
	5670 8730	31	122	80	34.5			15 400	2.9	31		4-	63.3	14:	2 /	175	0	36.0)
	5850 9005	32			387				19	32	340	18.0			Punche	d Card	Data		
	6030 9285	33	134	30	37.6			17400	0.8	33			*	ig.	1	- 8		:	. ~
	6210 9565	34	137	00	36.4			8500	0.5	34	10	18.0	ited	a Bre	. p. s	Colond	it ud		peed .
	6390 9850	35	1410	9	350	,		9600	09	35			1	قة ا	N.E	S.			δ.E
	6570 10135	36	143	20	34 (,		20600		36	6	20.0		Card No	. 1	15		rd No. 2	
	6750 10420	37		-	,					37			eda	ipment	8	16	equipm	of ment	8
	6930 10710	38								38			sfc.	200	3	17-	7 7	49	9
	7110 11005	39								39			150 m.	2 44	3.	22- 26		50	5
	7290 11300	40						4		40			300 m.	251	3	27-	9		12
	7470 11595	41								41			0.5	263	2	32- 36	10 3	55	16
	7650 11890	42								42			1.0	224	1	37- 41			5
	7830 -12155	43								43			1.5	179	1	42- 46		60 1	14
	8010 12480	44								44			2.0	281	2	47-			7
	8190 12775	45								45			2.5	37	1	52-	14	9	9
	8370 13075	46								46	4		1	22	2	56 57- 61	15	-	7_
	8550 13375	_								47			1	24	2			-	
	8730 13675	48								48			1	14	3	62- 66 67-	17		
	8910 13975	49								49		TO THE	1	1-	6	71	10	-+	-
	9090	50								50			Ŀ	1/3	17	76			-
					Cod	ed Data fo	r Transmissio	in					Min		ximum \	_	eed Do	lta	
IV	18951	1	404	2 25	oul	7303	4 1801	2102	6 2800	1 3	Joy	80404		n.p.s. or		1.)		-	
OVI	10 OKOU	2	205	4 081	1 6	0410	80216		03351	75	3413	00123		of maxi					
627	03629	12	11.20	Call	g	0 110			1	1	, ,		Mox	dir. (deg	rees m.	p.s.)			
571	0362.9	1	0055	0.07.5	-	1000		THE				4 100	Dir.	(degree	s) and s	peed			
		-			-	-				-	14			er check			levels		T
							<u> </u>						Tobb	our on re	V6/10 1	100.			1

SHREVEPORT, LOUISIANA 110-12 Greater Shreveport Municipal Airport Lat. 32°28'N Long. 93°49'W Local Standard Time, 90th Meridian El of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

Year Month Day Time Actual time ___ th mer. 1963 JUN 27 1230 Scheduled 1963 111N

360° = South Orientation,

Ascension No. 7/d

	Pibal		Rowin	Elevati	on angle ⁰	Distance from			Wir	nd
Slant tange (m.) (yds.)	10 (m.)	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth angle o	Minute	360°= N.	Speed (m.p.e.)
	216 350	1	230	47.9		100	214.0	1	sfc. 210	3.2
	414 670	2	57 0	50.3		Heo	213.7	2	204	
	612 980	3	11	54.4		600	203.0	3		3.3
	801	4		57.6			188.8	4	130	3,2
	1285	5	1052			700		-	92	3.1
	1585	4	1300	609		250	173.2	-	13	2.3
	1350	-	1590	64.5		150	165.0	-	51_	1,3
	2170	1	1860	79.1		650	161,9	7	10	30
	1530 2455 1710 2740	8	2100	76.9		450	146.3	8	354	4.8
		4	2370	86.3		150	105.3	9	212	4.2
	1890 3020 2070	10	2660	87.1		150	39.0	10	346	7.1
	2070 3300	11	2900	74.6		100	356.6	111	346	9.3
	2250 3580	12	3140	69,2		1000	350.1	12	336	6.7
	2430 3855	13	3420	64.6		1600	346.5	13	338	6.7
+	2610 4130	14	379c	6114		2000	345.0	14	345	6.6
	2790 4405	15	3940	51.8		2400	345.0	15	351	7.4
	2970 4675	16	4210	55.8		2900	347.1	16	357	8.5
	3150 4945	17	4500	52.9		3400	348.8	17	4	7.7
	3330 5215	18	47,60	50.9		3900	351.1	18	20	7.5
	3510 5485	19	5000	49.7		1200	355.0	19	12	7.9
	3690 5755	20	5300	43.6	-1 - 3 1	4700	355.1	20	328	6.5
	3870 6025	21	5580	117.7	.4	5000	355.5	21	357	5.9
	4050 6295	22	5840	46.9		5400	355.2	22	354	5.8
	4230 6565	23	Company of the Compan	46.3		5700	355.1	23	358	7.5
	4410 6835	24	6400	45.4		6500	355.9	24	7	8.4
12	4590 7105	25				· 6700	356.9	25	13	7.0
	4770 7375	26	6930	43.8		7100	357.9	26	6	9.2
	4950	27	7260	42.7		7800	358.3	27		1.0
	7645 5130	28		42.2		.,,,,	399.3	28	19	6.5
	7915 5310	29	7760	42.0		8500	a1	29	-	4
	8185 5490	30		417		05.0	0.7	30	U	7.1
	8455 5670	31				0 11	0.7	-		
	8730 5850	32	8400	41:6		9400	0,2	31	5-	10
	9005	33		41.5		1-0	-	32	350	6.8
	9285		9000	41,2		10200	359.8	33		
	9565	34	0.1	405	-	11400	358.8	34	343	10,2
	9850	35	9600	39 7		11400	13581	35		

Con-	Pressure (mb.)	Altitude (m. m. s.l.)	Elapsed time (min.)
35	1004	79.	0.0
5	1011	-	
10	944	610	2.3
15	880	1260	4.7
20	817	1880	7.0
25	758	2500	9.4
30	700	3170	11.9
35	644	3860	14.3
40	594	4510	16.8
45	544	5210	19.5
50	498	5910	22,1
55	453	6600	24.6
60	411	7340	27.5
65	372	8130	30.1
70	334	8990	326
75	300	9750	32.3
80	266	10460	38.1
85	236	11260	409
90	207	12120	435
95	181	13030	40
100	158	13870	47.8
105	136	14770	51.3
110	116	15.180	50,2
115	97	10730	57.0
120	80	1800€	60.L
125	64	19340	640
130	50	20920	68.4
135	34	23450	73.8
140	20	26880	81.7
× 1	17.0	27970	94.0

Altitudes	Direction (degrees)	Speed (m.p.s.)	Card	Altituden	Direction (degrees)	Speed (m.p.s.)
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355. 4 6400 4590 7105 356.9 10670 6700 4770 7375 26 7100 6930 125 4950 7645 7260 7800 358.3 5130 7915 42.2 399.3 28 135 6.5 5310 42.0 8500 20 29 29 4760 01 140 5490 8455 0.7 4117 7.4 30 5670 31400416 9400 0.7 31 17,0 27970 5850 9005 0,2 32 350 **Punched Card Data** 603**0** 9285 9000 10200 33 359.8 6210 9565 6390 9850 405 343 10,2 3581 11400 35 9600 6570 10135 Card No. 1 356.9 15 12.4 Type of equipment 6750 10420 1220 350.0 10170 6930 38 342 efc. 40 355,4 10710 7110 22-26 10800 37.1 39 14300 7290 40 345 36,6 10.3 7470 11595 361 1550c 41 32- 10 34/ 7650 11890 338 35.7 353 6 10,5 7830 12185 12020 1670. 35.5 352.6 42-8010 12480 44 334 35.5 10. D 352.2 8190 12775 3512 351.2 12640 17800 52-56 8370 13075 15.0 46 350.8 46 347 13375 47 13210 350.9 47 19800 62- 16 16 4 340 7 8730 13575 3540 8910 13975 32.0 13900 9090 14200 23100 14275 Maximum Wind Speed Data Coded Data for Transmission

1100

Jan.

73.8

81.)

Card No. 2

Type of equipment

	Muximum minu .	peed Daid
1	Min. alt. wind speed 45 m.p.s. or more (m.)	
ł	Alt. of maximum wind speed (m.)	
١	Max. wind speed (m.p.s.) and dir. (degrees)	
1	(m.p.s.) of Max. wind	
i	Enter check if additional	levels

appear on reverse side.

Creater Shreveport Municipal Airport
Lat. 32°28'N Long. 93°49'W
Local Standard Time, 90th Meridian
El of Station, 79M, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET

(LAND STATION FORM) WBAN-20

		Year	Month	Day	Time
	Actual time	1963	JUN	27	1730
	Scheduled (G.M.T.)				2330
-					

Ascension No. 7/4

	Pibal		Rowin	Elevatio	n angle ^a	Distance from			Win	d
Slant range (m.) (yds.)	100- gram	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth angle o	Minute	Direction ^o 360°= N	Speed (m.p.s.)
	14570	51		30.9			323 6	51		
	14860	52	14900	30.5		25100	3543	52	5	16.0
	15145	53		30.1			3543	53		100
	15425	54	15550	29.9		26800	3548	54	6	12.0
	15705	55		30.0			3553	55		
	15985	56	16240	30.1		G O & C S	35517	56	31	10.0
	16265	57		30.1			356.4	57		
	16545	58	17070	30.K		2-8820	357,2	58	51	7.0
	16825	59		301P			2	59		A. A. A.
	17105	60	17860	3114	F 1 1 1	29000	358,5	60	46	40
	17385	61		31.6	\$ 7 P		358.5	61		
	17670	62	18620	31,9		29600	358.9	62	27	4.0
	17950	63		31.9			359.4	63		
1	18235	64		32.0	1.	30800	0.3	64	41	9.0
	18515	65		32.2	4 1		1.1	65		
V-V	18795	66	20250	32.6	1	31300	2.1	66	76	6.0
	19080	67		33.2		3.5	2.7	67		
	19360	68	2/070	337	1000	31200	37	68		4.0
	19645	69		34,2			Sin	69	-	
	19925	70	011270	34.7	1	31200	5,8	70	80	910
	20210	71		34.7			6.7	71		
	20490	72	22700	3513		31800	7,9	72		11,0
	20775	73		355			8.9	73	1	
1987	21055	7	23460	35.7	and the same of	32309	10.1	74	0	11,0
	21340	7.	A CHARLEST TO SERVED	35.9	Contract of		1/,/	75		
1	21620	7	24310	36.4		32700	12.2	76	90	7.0
	21905	7	The state of the s	37,0	1		12.8	77		100
	22185	71	25210			32700	13.7	78	88	10.0
	22470	79		326			14.9	79		
	22750	80	26120	37.8		33500	16,2	80	83	14.0
	23040	81		37,9			17.9	81		
	23320	82	27010			34100	11.5	82	89	1300
	23600	83		38.4			207	83		
	23880	1 0	17 30	701		1 VII -	711/		1011	11 .

Slant range (m.) (yds.)	etuniM	Rawin ht. above surface (m.)	Elevation angle Observed Smoothed	Elevation angle	Distance from observation point (m.)	Azimuth	etuniM	Direction ^o Sy 360°= N (m.	Speed (m.p.s.)
7	100			1-					
10	107			100			107		
	108						108		
	109						109		
	110						110		
	Ξ		1				111		
	112		16				112		
	113						113		
1	71						114		
	115						115		

* Altito

Pa

*Stamp

2. Lot

+ cde	grees)	6.6d	ord	tode:	sction grees)	P
-------	--------	------	-----	-------	------------------	---

	tons	177	作の元の日本の子	35.5	Antiquette aname	The second of the second of	Superior of	73	Timenta many	and the second
Total Control	31658	74	allbo	36.7	14 1017	32309	10.1	74	80	11.0
Special Superior	21112	71	The state of the s	35.9	1. 14.		11,1	75		
	21620	70	24310	36.4		32700	12.2	76	90	7.0
	21905	77		37,0			8.51	77		
	22185	78	25210	37.4		32700	13.7	78	88	10.0
	22470	79		37.6			14,9	79		
	22750	80	26120	37.8		33500	16,2	80	83	14.0
	23040	81		37.9			17.9	81		
	23320	82	27010	38.2		34100	11.5	82	89	130
	23600	83		38.4			207	83		
	23880	84	27890	38.6		34600	21,4	84	94	11.0
	24160	85						85		
	24440	86	4		7			86		
	24730	87						87		
	25010	88						88	-	N 1
	25300	89		1				89		
	25580	90		1				90		
	25860	91						91		
	25140	92						92		
	26420	93						93		
	26700	94						94		1
	26980	95						95		
	27260	96						96		
	27540	97						97		
	27820	98					1 -	98		
	28100	99						99		. 1
	28380	100			-			100		
		101						101		
		102						102	7.	
	- Andrews	103						103		, fr
		104						104		1984
	29780	105						105		

* Altitu

Punched Card Data

Altitudes	Direction (degrees)	Speed (m.p. E.)	Card	Altitudes	Direction (degrees)	Speed (m.p.s.)
	Card No	. 3	15		Card No	. 4
	pe of	8	16	Ty	pe of pment	8
19	31	7	17-	31		
20	60	7	22-	32		
21	88	6	27- 31	33		
22	80	9	32- 36	34		
23	80	11	37-	35		
24	85	9	42- 46	36		
25	08	9.	47- 51	37		
26	84	13	52- 56	38		
27	88	13	57- 61	39		
28			62- 66	40		
29			67- 71	41		
30			72- 76	42		

Maximum Wind Speed Data

Min. alt. wind speed 45 m.p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Dir. (degrees) and speed (m.p.s.) of Max. wind	
Max. alt. wind speed 45 m.p.s. or more (m.)	

Greater Shreveport Municipal Airport lat. 32°28'N Long. 93°49'W

Local Standard Time, 90th Meridian El of Station, 75H, RAWIN, GMD-1A

U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET (LAND STATION FORM)

WBAN-20

	Year	Month	Day	Time
Actual time	1963	JUN	27	2330
Scheduled (G.M.T.)	1963	JUN	28	@53n

360° = South

Rawinsonde Time-Altitude Data

Ascension No. 715

D	o ce. c roi	4.	Ton, MAWI.	N, GAD-	LA .		W	BAN	(-20		Ascen	sion No.
ype of ballo	on ho	0									Orle	ntation,
	Pibul ht. above		Rawin	Elevati	on angle°	Distance from			Wi	nd	_	Rawins
Slant range (m.) (yds.)	gron (On	Minute	ht. above surface (m.)	Observed	Smoothed	observation point (m.)	Azimuth angle o	Minute	Direction ^o 360°= N. sfc. /20	Speed (m.p.s.)	Contact	Pressure (mb.)
	216 350	1	280	70.4		100	147.5	1	146	1.7	48	,000
	414 670	2	580	695		200	145.8	2	125	2.0	5	1002
	612 980	3	880	68.3		300	130,9	3	118	1,3	10	
	801	4	1170	71.9		350	135.3	4	201	0.8	15	1114
	990	5	1480	76.4		350	150.1	5	259	1,2	20	
	1170	6	1780	80,5		300	158.3	6	326	1.7	25	1 23
	1350 2170	7	2100			170	138.2	7	38	40	30	
	1530 2455	8	2400			400	75.6	8	37	4.4		644
	1710	9	2680	78.4		550	54,4	9	17	5.6	40	
	1890 3020	10	2960			950	38.0	10	21	6.6	45	544
	2070 3300	11	3260	67.2		1300	33.9	11	30	7.0	50	498
	2250 3580	12	3530	62.8		1800	34.4	12		7.5	55	
	2430 3855	13	3820	59.9		2200	32.2	13		6.7	60	
	2610 4130	14	4120	57.6		alogo	30.9	14	20	5.9	65	
	2790 4405	15	4430	568		2900	29.7	15	21	Sil	70	
	2970 4675	16		55.5		3200	28.6	16	23	5.9	75	
.4	3150 4945	17	5100	549		3600	29.0	17	6	5.3	80	The state of the s
	3330 5215	18	=:/	55.1		3400	24,9	18	341	45	85	240
	3510 5485	19	5750	54.9		4000	22,2	19	1	512	90	211
	3690 5755	20		546		4300	19,5	20	343	6.3	95	
4	3670 6025	21	200	54.2		4600	16.1	21	342	7.0	100	160
	4050 6295	22		53.1		5000	13.6	22	345	6.6	105	
	4230 6565	23		52.3		3300	1117	23			110	THE RESERVE OF THE PARTY OF THE
	4410 6035	24	3	50.7	TO THE		10.2	24	358	914	115	
The second	7105	25	7610	44.7	Sensitive.	6400	9.6	25			120	182
	4770 7375	26		48.7		14 1 1 2 4 7 1 2 5	8.3	26	358	9.0	125	166
	4950 7645	27	8220			7500	7.7	27			130	52
	5130 7915	28		46.5			1.5	28	358	8.3	135	38
	5310 8185	29	8870	45.9		9500	6.6	29			140	
	5490 8455	30		45.6			7,1	30	13	8.4		
	5670 8730	31	9520	45,1		9500	6.9	31			96.	7175
	5850 9005	32		44,7			5.4	32	338	9.5		
1	6030 9285	33	10250	44,2		10500	4.0	33			7	50
	6210	34		43.9			2.4	34	337	9.5	3	gre
	6390		- 4	1 . / 2 /	1		7 3	1			1 1 -	1 = 0

Con- tact	Pressure (mb.)	Altitude (m., m. s. l.)	Elopsed time (min.)
48	1005	79	0.0
5	1002	100	0.2
10	936	700	2.3
15	873	1320	43
20	811	1949	6.4
25	753	256º	8.4
30	697	3200	10.6
35	644	3850	12.9
40	592	4540	15.1
45	544	5200	17.2
50	498	5920	19,2
55	454	6580	21.4
60	412	7330	23.8
65	372	8080	26.4
70	36	8850	28.9
75	301	9630	31,1
80	269	10000	33.3
85	240	11170	35,5
90	211	12000	38,1
95	194	12900	40,6
100	160	13720	
105	138	10030	1.
110	118	1502:0	
115	99	16650	
120	82	17220	_
125	66	19200	
130	52	20700	
135	38	22700	
140	24	25700	
Š6.7	175	13210	41.2

23 69110 52.31 5500 900 1410 1415 4590---50.7 10.2 115 99 49.7 9.6 4400 120 9.0 1170 8.3 48.7 125 66 1500 7.7 8220 130 20700 358 8.3 7915 135 22700 46,5 45.9 5310 8870 8500 25700 29 140 5490 8.4 30 45.6 5670 45,1 96.7 175 9520 13210 9500 31 5850 9005 32 338 5.4 9.5 Punched Card Data 10250 4.0 6030 9285 0500 33 44,2 6210 9565 6390 9850 43.9 2,4 337 1500 1.3 10980 6570 10135 Card No. 1 9.2 428 0,2 36 343 Type of equipment 359,7 6750 10420 1600 6930 14.4 4114 38 352 stc. 120 10710 7110 11005 14300 406 22-12300 7290 11300 359,0 15,0 40 357 15120 7470 11595 39,0 16100 3587 13110 7650 11890 42 7830 12185 43 1.5 250 8010 12480 44 47-51 44 8190 12775 45 45 52-56 8370 13075 46 57-61 15 47 8550 13375 47 8730 13675 8910 13975 9090 14275 Maximum Wind Speed Data Coded Data for Transmission Min. oit. wind speed 45 m.p.s. or more (m.) Alt. of maximum wind speed (m.) Max. wind speed (m.p.s.) and dir. (degrees) Dir. (degrees) and speed (m.p.s.) of Max. wind Enter check if additional levels appear on reverse side.

41.2

Card No. 2

Type of equipment

12 352

13

14

BT /

UNCLAS FROM DCOI 27F40. DAYLIGHT.

ACTION: ADC, 20ADIV, ATIC, HD USAF, SAF. INFO: SAC, 2AF, 4AIRDIV.

SUBJ: UNIDENTIFIED FLYING OBJECTS. MESSAGE TRANSMITTED IAW

INSTRUCTIONS IN AFR 200-2 UFO. A. (1) ROUND. (2) PIN-HEAD.

(3) WHITE TO ORANGE. (4) TWO. (5) TRAIL. (6) NONE. (7)

NONE. (8) NONE. (9) NONE. B. (1) NOTICED WHILE WATCHING

STARS AND LISTENING TO BALL GAME. (2) VERY HIGH TO NORTHWEST.

wend dir

INSTANTLY TO NORTH. (6) 1/2 HOUR. C. (1) GROUND VISUAL.

(3) 45 DEG NORTH OF TEXARKANA. (4) CHANGED COURSE. (5) FADED

(2) NONE. (3) N/A. D. (1) 27/0245Z (JUNE). (2) NIGHT.

PAGE TWO RUWGAA 153

E. (1) SIGHTED FROM BACK YARD AT 420 DELK ROAD, TEXARKANA,

TEXAS.

D, D, TEXARKANA, TEXAS.

RELIABLE. G. (1) NOT AVAILABLE. (2) WINDS AT 6,000 FEET

WERE 4 KNOTS AT 080DEG, 10,000 - 11 KNOTS AT 310DEG, 16,000 - 11

KNOTS AT 010DEG, 20,000 - 13 KNOTS AT 360DEG, 30,000 - 33 KNOTS

AT 330DEG, 50,000 - 27 KNOTS AT 010DEG, 60,000 - 7 KNOTS AT 070DEG.

(3) CLEAR. (4) 12 MILES. (5) FEW CUMULOUS WEST OF TEXARKANA.

(7) 82DEG WINDS CALM. (H. N/A. I. N/A. J. N/A. K. CHIEF

ESTIMATES BRANCH, WING INTELLIGENCE DIVISION. L. N/A

BT

27/2230Z JUN RUWGAA

1 observer

WBAN-10 (FAA) (10-1-54)

SURFACE WEATHER OBSERVATIONS

(Abridged form for use at designated FAA stations)

	TIME		SKY A	ND CEILI	NG	VISI-	WEATHER AND	SEA- LEVEL	TEND	DEW		WIND		ALTIM-	
TYPE	الع.ما		(hundr	eds of to	•0	(miles)	OBSTRUCTIONS TO VISION	PRESSURE (mb.)	TEMP (°F)	POINT	DIREC-	SPEED	CHARAC- TER AND SHIFTS	SET-	REMARKS AND SUPPLEMENTAL CODED DATA
(1)	(2)	-	, v	(1)		(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(ia.) (12)	(13)
<u>R</u>	105	<u> </u>		0		1/2		187	75	74	4	5		009	<u> </u>
及	055			0		10		185	72	71	<	5		007	
K	0255	_		0	-	10	.*	185	22	אב	<	5		007	
K_	0350	-	12 -	0		10		184	71	70	17	S		800	
5	935	+	120	4		8	1 -	184	71	69	11	X		900	
	2007		/	W C	-	2	GE	18 /	11	11	€-K	,	-	009	FEW AC / 49071
-	0610			0		8	GF	191	711	71	4	6		210	
0	065	+	• . (0			70	72	-	9		010	
	0855	+	•	3		8		191	01	LEGACY STATES	€-K			011	FEW CI
7	295		30 (5	10	12		127	21	72	*	山		009	
R	1022	4		20	< 10	12		184	gel	72	4	5		008	
R	1/2		350		224	12		180		100 (A) V(0)	K	7		007	
K	1255		45		D	12		The State of the S	Charles Street	DILEMAN AND	(-X	9		004	
P	135		450	DI	0	12		THE PERSON NAMED AND POST OF	89	71	4	8	The second secon	002	
R	145	F	45	aD	IM	12			90	71.	EL	17		000	
R	125		45		7 547-	12			38	5	¥ K	6	Control (Control	000	OVOD CBALODS
2	1650		45			12		150				10		797	TOUR CIB ALCIDS
?	755		0			12			Service Control		Charles Committee Co.	8		996	
12	1950		0			12		144	86	71	K	5	THE RESERVE OF THE PARTY	A STREET, SQUARE, SALES	CRS-NE
R	1955		0		24.1	12		150	82	71		C	- 4	197	CU W
R	3055		0			12		150	81	71	X	5		998	
R.	15-5	_	0			12		157	77	7/	Z	6		000	
2:	255		0			12		159	77	70	个人	8		001	
R	2359	_	0			12		156	75	69	1	5	- :	000	
6										•					
4	1152		100					1.5	7.						the state of the s
			1			.:		1975			1 8				
			17.												
					- 11						-				
_			_												L
TME	TIME	NO.	PRECIP.	MAX.	MIN.		STATION	PRESSURE	COM	NTATIO	ONS			()	SUMMARY OF DAY MIDNIGHT TO MIDNIGHT)
	(lat)	120000	(in.)	TEMP.	TEMP.	TIME (L		T					-		24-HR. 24-HR.
41)	(42) MID. TO	_	(44)	(47)	(48)	(59) ATT. THE	RM.	 					_ 24 H	K. M	MIN. WATER FALL DEPTH
		-	-			(€0) GBSRVD.	BAR	-					TEM (°F) ((°F) (ia.) (ia.)
		2				TOTAL CO	ORR.	+					(68	, ((67) (68) (69) (70)
	-	3				STA. PRE	.22						-		
-		4				BAROGR	APH	+					-		
-	MIQ.	>				(54) BAR, CO	RR.	-					-	-	
		\leq				(85)		ــــــــــــــــــــــــــــــــــــــ							

WEATHER OBSERVATIONS
for use at designated FAA stations)

U. S. DEPARTMENT OF COMMERCE WEATHER BUREAU

Commerce-Weather Bureau, Washington, D. C.

TER SET-		REMA	RKS AND SU	PPLEMENTAL CODED DATA	STATION PRESSURE (ia.)	DRY BULB (°F)	WET BULB (°F)	TOTAL SKY COVER	TOTAL OPAQUE SKY COVER	OBSERV. ER'S INITIALS
12)				(13)	(17)	(18)	(19)	(21)	(38)	(15)
09					29.700			0	0	H.2
2					29.680			0	0	HZ,
07	1				29.680		-	0	0	H.S.
80		-			29.690			-0	0	14S
N					29690			1		HZ
04	FEW	AC	14	9071	29.700			3	2	W.O.
				Z10057					- 1	W.O.
0	10			A STATE OF THE STA	29.710			1	0	W.O.
1	FEW	CI			29.715			0	0	w.O.
10	FEW	C1		104	29.710			0	0	W.O.
09			1		29.700			2	2	200
28		1.0	- : '		29.690			5	5	W.O.
27				CB TOP DONT N	29,680			5	5	W.O.
4	CB T	OP D	SNT	NNW	29.650			5	5	W.0
2	BLDE	PL	QDS		29.630			5	5	cc
00	CB	ALC	2 DS		29.610			6	6	CC
2	DYC	DC	BA	LODS	29.610			5	5	CC
77	Tru	NE	C/3	ALODS	b9.585			5	5	cm
16	CBS	·CL	1W	812 92	29.575			0	0	20
71	CRS	-1	IE		29,575			0	0	In
7	CV	W			19.585			0	0	cm.
18	6			S*2.	29.590			0	0	wit
20	3/6				29/10			0	00	m.
21	12				29.620			0	0	rute
00	72.76			1	129.610			0	0	Till
	133									
									-	
	设置									
	-104	er								
0	SUMMARY O	F DAY		REMARKS,	NOTES AND MISCELLA	NEOUS PL	ENOMENA			
1:	MALE MATTER	FALL	SNOW		****					
1 7	1007. 10.77 77)	(in)	(a)							

WBAN-10 (FAA) (10-1-54)

SURFACE WEATHER OBSERVATIONS

(Abridged form for use at designated FAA stations)

							ST	ATIO	NZ	EXI	A.R.	KAN	117.	ARI	<		DATE 6-27-
TYPE	TIME		AND CEIL		VISI- BILITY (miles)	WEATHER AND OBSTRUCTIONS TO VISION	SEA- LEVEL PRESSURE (mb.)	TEMP (°F)	ĎEW POINT (°F)	DIREC- TION	SPEED	CHARAC- TER AND SHIFTS	ALTIM. ETER SET- TING		REMA	RKS AND SI	UPPLEMENTAL CODED DATA
(1)	(2)		(1)		(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(in.) (12)				(13)
R	055		0		12		150	75	68	1	5		998				
R.	0155		0		12		150	75	6P	*	5		998				
2	225	-	0		10		150	72	68	K	7	-	998				
R	355		0	325	10		150	72	67	K	6		998			N V AWAY	
KA	155		10		10		156	72	65	1	5		000				0.34,333-4
R	OTT		1-0	D	8		161	74	65		7		001	FEWA	oc/	492	272
R	065		1-0)	8		166	75	65	1	8		003	1200		• •	
R	0755		1-0	2	10	1-7 4	170		66		10		004	100			The second secon
R	085		1-0)	10		170				6		004	FEWA	c		
1	955		0		10		170			1	5	The second secon		FEW (C/		
R	1055	40	0/-	-O	12		166		THE PERSON NAMED IN COLUMN 1		C		003		10.0		
	115		400	D	12		164	100000000000000000000000000000000000000		1	4		002				
R	125		400	D	12		155			← K	8		999				
	1355		40	0	15			88	69	V	6		997				•
	1453	•	40	D	15		140	89	68	75	4		995				
R	1555		15	0	15		131	90	68	7	5		992				
R	1655		50 O		15		131	89	68	K	5	6	992	TCU	S	-sw	
R	1755		0		15		131	89	168	K	4		992	FEW			NT SW / 610
	1855	4	.00		15				70	The second secon	6		992				
THE RESERVE OF	955		00		15		130	Commence of the Commence of th	Charles Control of the	Control of the Contro	5		992			- 10 m	
	2055		-0		15		138			Particular of the Committee of the	6		994				
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18.00 m		A 11										6	3.7				
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TIME (O.L.)	TIME (AAD)	NO. PREC		TEMP.		NIEW CONTRACTOR OF THE PARTY OF	PRESSURE	COM	PUTATIO	ONS			(3.	IDNIGHT TO M	IDNIGHT)		RI
(41)	(42)	(43) (44	(47)	1	11≥€ (1,a (59)	·.L.)				T	-	24 H	R. 24	HR. PRECIP.	SNOW.		
	MID. TO				ATT. THE	24.						MA	X. M	MP. EQUIV.	FALL UNMLTD.	DEPTH	
-3 6	1971	1			CATSTYD. (01)	SA.P.					-	(°F	100	(in.) (68)	(in.) (69)	(in.) (70)	
42		2			101AL CC (12)	×x.							-		1 100	1,57	
		3			21A, PRE (13)												
Market 1	400	4			MACCH							-					
in 94	MID.	X		1	MR. (05)							-	-	STOP I	1		
Sign of	GEORGIA (ROLL)								-					C216		-	<u> </u>

MEATHER OBSERVATIONS

for use at designated FAA stations)

U. S. DE ARTMENT OF COMMERCE WEATHER BUREAU

(MI	IDNIG	ARY OF HT TO MIC	DAY ONIGHT) 24-HR. SNOW-		REMARKS,	NOTES AND MISCELL	NEOUS P	ENOMENA			
+	54			•							
+	- 17.		~~~~					<u> </u>			
+	(10kg) - (10kg)										
-	-11					- 01 - 000					
-	1300										
14						29.555			0	0	TIT
14	-					29.555			0	0	M
75					the stage of the stage of the	29.565			G	0	GH
74						29.555			5	2	GH
12				200	STAGE AND A PROPERTY	29.535					Just
72	110	1				29.535				1:	GH
12	F	EW	TCU	Ds	NT SW / 610 92	- 29,535			0	0	2101
72	12000	CU	5	-sw		29.535			3	2	1GH
12.	- 1					29.535			3	3	300
5						29,565			4	4	54
77		1	1		•	29.585			4	4	SL
19		4.1				29.605			4	4	W.0
22									4	4	W.O.
23						29.640			2	1	W.O.
24	F	EW C	1		the season of th	29.650			0		W.O.
04	FE	-WA	c			29.650			1		w.O.
04	100			(Harlands	29.650					W.D.
03	1 400	· ·	-/		AND THE PARTY OF T	29.640			3		w.o.
01	F	EW A	1c. /	49	72	29.625			7	-	w.o.
00	-			-	AV H	29.610			1	0	HS.
18						29.590			0	0	H.S.
98		-				24.590			0	0	45
18						29.590			0	0	H.2
12)				·	(13)	(17)	(15)	(19)	(21)	(34)	(15)
ET.			REMA	RKS AND S	UPPLEMENTAL CODED DATA	STATION PRESSURE (La.)	DRY BULB (°F)	WET BULB (°F)	TOTAL SKY COVER	TOTAL OPAQUE SKY COVER	OBSERV ER'S INITIALS

Commerce-Weather Bureau, Washington, D. C.

didentification SHREVEPORT, LOUISIANA U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU Greater Shreveport Municipal Airport Lat. 32°28'N Long. 93°49'W WINDS-ALOFT COMPUTATION SHEET Local Standard Time, 90th Meridian (LAND STATION FORM) 51 of Station, 79M, RAWIN, GMD-1A WBAN-20 Type of bolloon DAREX-600 Pibal ... above Elevation angle Wind Rawin Distance from Azimuth Slant sfc. (m.) Direction ht. above observation Speed angle 360°= N. surface (m.) (m.p.s.) Observed | Smoothed (m.) (yds.) (m.) 216 350 47.7 200 112.0 670 600 900 1585 1170 1000 1350 950 98.0 1530 2455 1710 2740 950 1100 1890 2070 3300 1400 2250 3580 1700 2430 3855 1700 2610 4130 1800 2790 4405 57.2 1950 2100 4675 2360 3330 5215 3510 5485 2900 50.7 3690 5755 3100 2700 6025 4050 3500 6295 4230 6565 3700 4410 6835 4590 7105 4770 7375 4950 7645 8410 5130 7915 5490 8455 7900 716 5850 8900

Year Month Day Time Actual 90 ime 1963 JUN 25 2330

Scheduled (G.M.T.) 1963 JUN 25 0530

Ascension No.

Orientation, 360° = South

	Rawinse	nde Time-Altitu	de Data
Con-	Pressure (mb.)	Altitude (m., m. s.l.)	Elapsed time (min.)
52	1011	79.	0.0
5	1014		
10	946	660	7.8
15	880	1290	4.0
20	816	1930	6.2
25	756	2570	8.4
30	698	3210	10.4
35	644	7890	125
40	591	4560	15.0
45	541	5280	17.1
50	494	6000	19.3
55	450	6700	21.5
60	407	7470	27.9
65	368	8210	26.3
70	230	9000	28.5
75	295	9800	30.8
80	167	10600	23.2
85	232	11400	35.6
90	204	12240	37.9
95	179	13090	A017.
100	155	13920	42.5
105	134	14500	44.4
110	+	15780	46.7.
115	96	16840	4911:
120	81	17940	51.8
125	64	19320	54.9
130	50	20890	58.7
135	37	22900	62:7
140	24	25690	
1596	25	25360	68.0

Altitudes	Direction (degrees)	Speed (m.p.s.)	Cord	Altitudes	Direction (degrees)	Speed (m.p.s.)
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